

NEDL

The image shows the front cover of an old book. The main part of the cover is decorated with a marbled paper pattern, often called a 'stone' or 'shell' pattern, featuring dark, irregular shapes in shades of black, dark green, and brown, set against a lighter, cream-colored background. The spine of the book, visible on the left, is made of a dark, textured material, possibly leather or cloth, and shows signs of wear and discoloration. A small, rectangular, red label with the word 'NEDL' in white capital letters is affixed to the upper part of the spine. There is also a small, partially visible red label at the bottom left corner of the image.



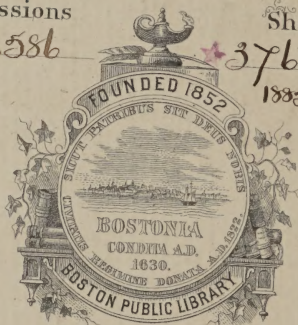
Accessions

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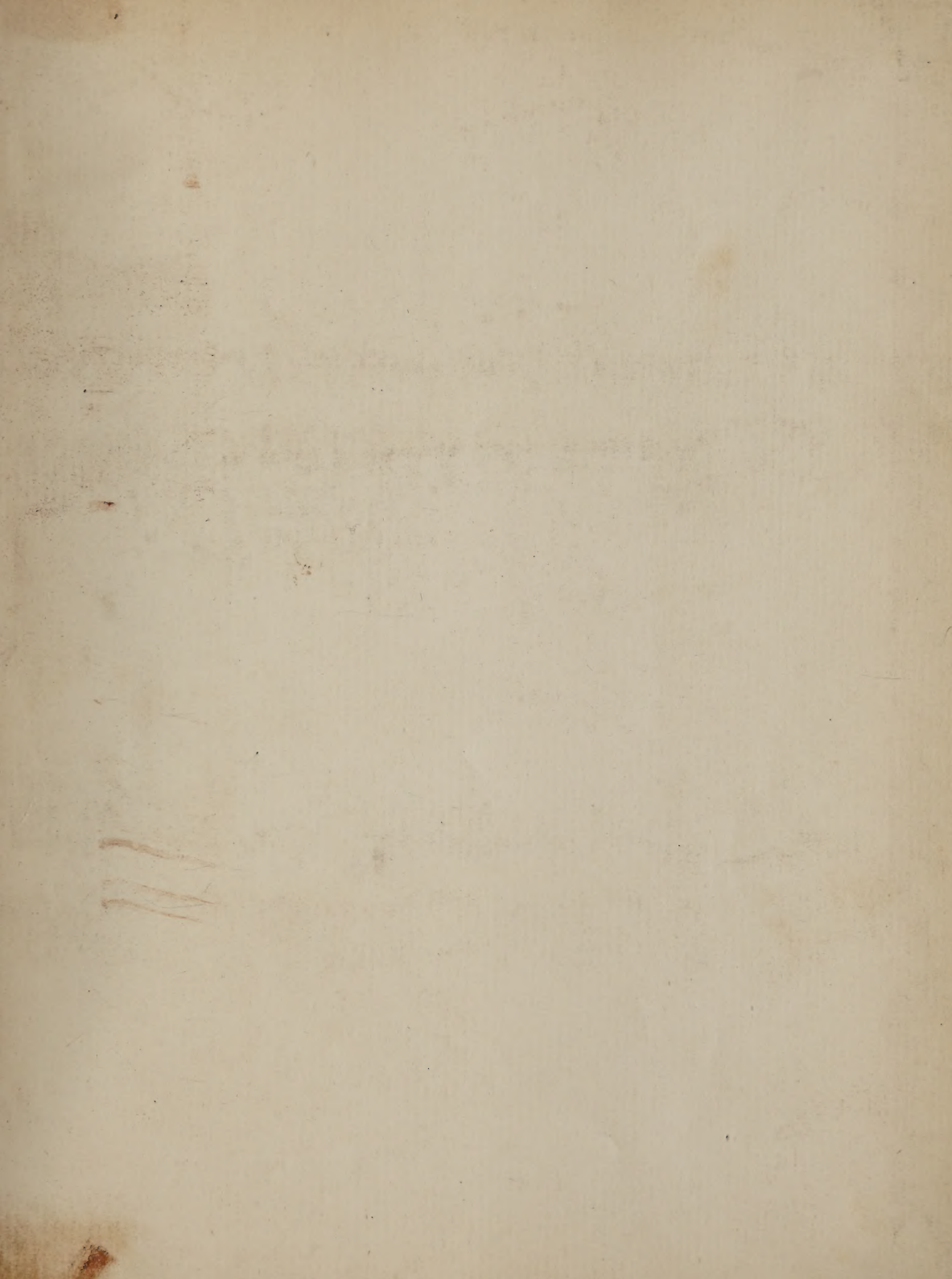
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# OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

## Statement of Mortality for the month of January, 1885.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M. D.,  
Chairman.

Deaths during the month of January, 1885, . . . . . 859  
Population estimated July 1st, 1883, at 427,940 (106.985 Polls). Rate per 1,000 inhabitants, 24.0

Total number . . . . . 859

### SEX.

Males . . . . . 422

Females . . . . . 437

### CONDITION.

Married . . . . . 265

Single . . . . . 496

Widows . . . . . 75

Widowers . . . . . 22

Unknown . . . . . 1

### COLOR.

White . . . . . 833

Colored . . . . . 26

Total deaths of children { Under 1 year . . . . . 156  
Under 2 years . . . . . 212  
Under 5 years . . . . . 284

Diarrhoeal diseases, { Under 5 years . . . . . 12  
All ages . . . . . 17

### NATIVITY.

United States . . . . . 578

Ireland . . . . . 165

England . . . . . 15

Scotland . . . . . 4

Germany . . . . . 13

British America . . . . . 56

Other Countries . . . . . 16

Unknown . . . . . 12

### PARENTAGE.

United States . . . . . 222

Irish . . . . . 311

English . . . . . 20

Scotch . . . . . 10

German . . . . . 21

British American . . . . . 54

Other Countries . . . . . 65

Mixed . . . . . 77

Unknown . . . . . 79

Still-births during the month . . . . . 42

# Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for January, 1885.	Total Mortality for January, 1884.	AGE.																			SEX.		
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM . . . . .	2	8												1			1						2	
CROUP . . . . .	20	16	1	2	1	6	7	1		18	2											12	8	
CARBUNCLE . . . . .	2													1			1					2		
CHOLERA MORBUS . . . . .																								
CHOLERA INFANTUM . . . . .		1																						
CEREBRO-SPINAL MENINGITIS . . . . .	2	4				1				1							1						2	
CONGESTIVE FEVER . . . . .																								
DIARRHOEA . . . . .	11	15	4	3		1				8				1		1	1					5	6	
DYSENTERY . . . . .	6	1					2	2		4				1			1					3	3	
DIPHTHERIA . . . . .	51	31			4	7	7	5	4	27	19	3		1	1							22	29	
ERYSIPELAS . . . . .	10	7	4	1	2					7			2				1					5	5	
INTERMITTENT FEVER . . . . .																								
INFLUENZA . . . . .																								
MEASLES . . . . .	4	1				2	1		1	4												1	3	
PURPURA . . . . .		1																						
PUERPERAL FEVER . . . . .	4	9										1	2	1									4	
PYÆMIA . . . . .	2	1														1		1				1	1	
REMITTENT FEVER . . . . .																								
RHEUMATISM . . . . .	5	1										1	1		1			2				1	4	
SCARLATINA . . . . .	13	29			1	2	4	2	1	10	2			1								7	6	
SMALL POX . . . . .																								
SYPHILIS (CONGENITAL) . . . . .	6	2	5			1				6												3	3	
SYPHILIS . . . . .	2													1		1						1	1	
SEPTICÆMIA . . . . .	5	5	1							1		1			1	2						4	1	
TONSILLITIS . . . . .	2	1				1				1			1									2		
TYPHOID FEVER . . . . .	10	14									1	2	3	2		1	1					5	5	
TYPHUS FEVER . . . . .		1																						
WHOOPING COUGH . . . . .	8	4		2	2	2		1		7	1											5	3	
YELLOW FEVER . . . . .																								
OTHER ZYMOTIC DISEASES . . . . .	2	5														1		1				1	1	
II. CONSTITUTIONAL.																								
CANCER . . . . .	31	28				1				1		1	2		7	8	9	3				9	22	
HYDROCEPHALUS AND TUBERC. MENINGITIS . . . . .	13	13	2		2	2	2	1	1	10	1				1	1						5	8	
MARASMUS, SCROFULA AND TABES MESENTERICA . . . . .	17	16	6	5	1	1			1	14	1	1					1					9	8	
PHTHISIS PULMONALIS . . . . .	132	132	1	1		2				4	1	12	50	26	18	8	7	5	1			61	71	
OTHER CONSTITUTIONAL DISEASES . . . . .	9	10										1	3	3			1	1				2	7	



# of January, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for January, 1885.	Total Mortality for January, 1884.	AGE.																			SEX.		
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
III. LOCAL.																								
APOPLEXY . . . . .	23	18										1		2	4	9	5	2				8	15	
BRIGHT'S DISEASE . . . . .	15	14									1	2	4	3	1	3		1				7		
BRONCHITIS . . . . .	70	43	10	13	11	5	3	3	1	46	4	1		1		2	3	8	4	1		35	35	
HEART DISEASE . . . . .	52	52									1	2	7	2	9	8	12	6	5			27	25	
MENINGITIS . . . . .	30	9	2	2	5	10	1		2	22	5			1		2						15	15	
NEPHRITIS . . . . .	9	2						1		1	2		1	1	3		1					7	2	
PLEURISY . . . . .	1	1														1							1	
PNEUMONIA . . . . .	101	89	2	3	8	7	7	2	2	31	2	4	6	18	12	9	6	10	3			53	48	
OTHER LOCAL DISEASES . . . . .	103	82	9	2	3	3	1	3	2	23	2	3	7	9	11	15	10	18	5			54	49	
IV. DEVELOPMENTAL.																								
CLANOSIS . . . . .	2	1	2							2												2		
INANITION . . . . .	6	3	5			1				6												1	5	
OLD AGE . . . . .	22	24															5	7	7	3		9	13	
PREMATURE BIRTH . . . . .	14	14	14							14												10	4	
PUERP'L DISEASES (not including Puerp'l Fever)	2	4											1	1									2	
OTHER DEVELOPMENTAL DISEASES . . . . .	23	16	11		1			1		13			1			1	3	5				11	12	
V. VIOLENT.																								
ACCIDENTAL . . . . .	16	26	1		1	1				3			2	2	3	3	3					14	2	
HOMICIDAL . . . . .																								
SUICIDAL . . . . .		4																						
OTHER VIOLENT CAUSES . . . . .																								
UNKNOWN CAUSES . . . . .	1	1																1				1		
TOTAL FROM ALL CAUSES . . . . .	859	759	80	34	42	56	35	22	15	284	45	33	92	78	72	70	80	73	28	4		422	437	
TOTAL FROM ZYMOTIC DISEASES . . . . .	167	157	15	8	10	23	21	11	6	94	25	8	9	10	3	7	7	4				82	85	
“ “ CONSTITUTIONAL DISEASES . . . . .	202	199	9	6	3	6	2	1	2	29	3	15	55	29	26	17	13	9	1			86	116	
“ “ LOCAL do. . . . .	404	310	23	20	27	25	12	9	7	123	17	10	24	36	40	42	44	47	20	1		206	198	
“ “ DEVELOPMENTAL do. . . . .	69	62	32		1	1		1		35			2	1		1	8	12	7	3		33	36	
“ “ VIOLENT CAUSES . . . . .	16	30	1		1	1				3			2	2	3	3	3					14	2	

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of January, 1885, and for the corresponding month in 1884.

CASES REPORTED DURING JANUARY, 1885.			CASES REPORTED DURING JANUARY, 1884.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria . . . . .	164	....	Diphtheria . . . . .	130	....
Measles . . . . .	166	....	Measles . . . . .	4	....
Small Pox . . . . .	....	....	Small Pox . . . . .	....	....
Scarlet Fever . . . . .	232	....	Scarlet Fever . . . . .	209	....
Typhoid Fever . . . . .	40	....	Typhoid Fever . . . . .	31	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

# METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of Jan., 1883, as reported by OTTO B. COLE, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	29.766	43.2	68.3	W.	— .02	Mean Barometer, 30.032.
2	30.372	12.6	50.7	N.W.	.00	Highest Bar., 30.795 on 3d.
3	30.195	14.7	64.3	S.W.	.00	Lowest Bar., 29.225 on 17th.
4	30.357	31.9	64.0	S.W.	.00	Monthly Range of Barometer, 1.570.
5	30.043	37.8	49.7	S.W.	.00	Mean Temperature, 27.0.
6	29.627	40.9	93.3	S.W.	1.23	Highest Temperature, 60.1 on 12th.
7	29.422	45.6	68.0	S.W.	*—	Lowest Temperature, —1.7 on 29th.
8	29.901	37.5	38.3	W.	.00	Monthly Range of Temperature, 61.8.
9	29.628	45.0	69.7	S.	.00	Greatest Daily Range of Temperature, 32.8 on 11th.
10	30.003	27.3	62.7	W.	.00	Least Daily Range of Temperature, 8.1 on 27th.
11	30.132	37.6	64.3	S.	.00	Mean Daily Range of Temperature, 19.0.
12	29.661	49.4	77.7	S.	.93	Mean Daily Dew-point, 17.2.
13	30.335	27.9	74.3	W.	.00	Mean Daily Relative Humidity, 67.0.
14	30.623	23.6	54.3	S.W.	.00	Prevailing Direction of Wind, W.
15	30.252	29.9	81.7	N.	† .57	Total Movement of Wind, 10,709 Miles.
16	30.057	32.3	94.7	N.E.	.76	Highest Velocity of Wind and Direction, 42 Miles per hour, S.
17	29.453	30.7	83.0	W.	.68	Number of Foggy Days, 0.
18	30.245	19.8	66.0	W.	.00	“ Clear “ 9.
19	30.347	15.6	61.0	W.	.10	“ Fair “ 12.
20	30.250	19.6	61.0	W.	.00	Number of Cloudy “ 10.
21	29.775	25.7	68.3	W.	.00	Total Number of Days on which Rain or Snow fell, 11.
22	30.329	3.3	43.7	N.W.	.00	Depth of unmelted Snow on ground at end of month, 6.5 in.
23	30.363	18.0	57.0	S.W.	.00	Dates of Auroras, 0.
24	29.765	28.1	86.0	N.	† .83	Dates of Solar Halos, 0.
25	29.611	31.9	74.7	S.W.	.00	Dates of Lunar Halos, 3d, 25th.
26	29.535	24.9	69.0	W.	.00	Thunder Storm, 0.
27	30.141	10.0	55.3	W.	.02	Dates of Frosts, 0.
28	29.656	6.0	67.7	W.	.29	
29	30.286	7.7	51.7	W.	.00	
30	30.196	18.6	71.0	W.	*—	
31	30.175	24.6	66.3	W.	.00	
TOTALS .....	930.983	835.7	2077.7		5.33	
MEANS .....	30.032	27.0	67.0	W.	.172	

\* Inappreciable.

† Melted snow and rain.

† Melted snow, sleet and rain.

## COMPARATIVE TEMPERATURE.

1871 . . . . .	26.0	1878 . . . . .	27.6
1872 . . . . .	27.4	1879 . . . . .	23.9
1873 . . . . .	25.9	1880 . . . . .	34.8
1874 . . . . .	30.8	1881 . . . . .	21.9
1875 . . . . .	20.4	1882 . . . . .	26.4
1876 . . . . .	29.8	1883 . . . . .	25.1
1877 . . . . .	23.2	1884 . . . . .	23.8

## COMPARATIVE PRECIPITATIONS.

	Inches.		Inches.
1871 . . . . .	2.67	1878 . . . . .	7.60
1872 . . . . .	2.11	1879 . . . . .	2.79
1873 . . . . .	5.76	1880 . . . . .	3.72
1874 . . . . .	4.32	1881 . . . . .	7.21
1875 . . . . .	3.68	1882 . . . . .	3.68
1876 . . . . .	1.87	1883 . . . . .	3.59
1877 . . . . .	3.33	1884 . . . . .	6.27



## OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of February, 1885.

With an enumeration of the more prominent causes ; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M. D.,  
*Chairman.*

Deaths during the month of February, 1885, . . . . .	796
Population estimated July 1st, 1883, at 427,940 (106,985 Polls). Rate per 1,000 inhabitants, 22.3	

Total number . . . . . 796

## SEX.

Males	. . . . .	385
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Females . . . . . 411

CONDITION.

Married . . . . . 276

Single . . . . . 408

Widows . . . . . 72

Widowers . . . . .	33
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Unknown . . . . .	7
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COLOR.

White . . . . . 778

Colored . . . . . 18

Total deaths of children	{	Under 1 year	.	.	.	.	.	142
		Under 2 years	.	.	.	.	.	191
		Under 5 years	.	.	.	.	.	256

Diarrhoeal diseases,	{	Under 5 years . . . . .	7
	{	All ages . . . . .	9

NATIVITY.

United States . . . . . 498Ireland . . . . . 180

England . . . . . 20

Scotland . . . . . 6

[illegible]

British America . . . . . 35

Other Countries . . . . . 22

Unknown . . . . .	20
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### PARENTAGE.

United States . . . . . 218

Irish . . . . . 307

English . . . . . 17

Scotch . . . . .	6
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German . . . . . 22

British American . . . . . 32

Other Countries . . . . . 58Mixed . . . . . 71

Unknown . . . . .	65
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Still-births during the month . . . . . 41

# Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for February, 1885.	Total Mortality for February, 1884.	AGE.																			SEX.		
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM . . . . .	4	6										1		2				1				12	12	
CROUP . . . . .	18	17	1	1		4	2	2	3	13											8	5		
CARBUNCLE . . . . .	1	1												1										
CHOLERA MORBUS . . . . .																								
CHOLERA INFANTUM . . . . .	1	1					1			1													1	
CEREBRO-SPINAL MENINGITIS . . . . .	1	3	1							1													1	
CONGESTIVE FEVER . . . . .																								
DARRHŒA . . . . .	7	14	4	1						5					1	1					3	4		
ENTERERY . . . . .	1	4			1					1													1	
EPHITHERIA . . . . .	35	27			2	3	5	7	3	20	11	4									15	20		
ERYSIPELAS . . . . .	6	6	2	1						3		1						1	1		2	4		
INTERMITTENT FEVER . . . . .																								
INFLUENZA . . . . .		1																						
MEASLES . . . . .	9				2	2	2	2		8			1								4	5		
PURPURA . . . . .																								
PUERPERAL FEVER. . . . .	2	5											1	1									2	
PYŒMIA . . . . .	2	3											1			1					2			
REMITTENT FEVER . . . . .																								
RHEUMATISM . . . . .	7	1												2			2	3			5	2		
SCARLATINA . . . . .	11	13			1	4	2	1	8	3											6	5		
SMALL POX . . . . .																								
SYPHILIS (CONGENITAL) . . . . .		3																						
SYPHILIS . . . . .																								
SEPTICEMIA . . . . .	4	1											2	1	1						1	3		
TONSILLITIS, . . . . .																								
TYPHOID FEVER. . . . .	12	12						1		1	1	3	1	2	1	2	1				4	8		
TYPHUS FEVER . . . . .																								
WHOOPING COUGH . . . . .	4	8	1	1	2					4											1	3		
YELLOW FEVER . . . . .																								
OTHER ZYMOTIC DISEASES . . . . .	1	5																1					1	
II. CONSTITUTIONAL.																								
CANCER . . . . .	16	25					1			1				1	3	4	7				3	13		
HYDROCEPHALUS AND TUBERC. MENINGITIS . . . . .	27	18	2	2	5	6	3		3	21	4			1			1				16	11		
MARASMUS, SCROFULA AND TABES MESENTERICA . . . . .	17	11	7	1		1			1	10					1		3	2	1		5	12		
PHTHISIS PULMONALIS . . . . .	110	130	1							1		4	31	29	13	16	10	4	2		33	57		
OTHER CONSTITUTIONAL DISEASES . . . . .	16	17		2	1				3		2		3	1	3	3	1				6	10		



# of February, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for February, 1885.	Total Mortality for February, 1884.	AGE.																	SEX.				
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 yrs.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
III. LOCAL.																								
Apoplexy . . . . .	20	23	1						1				1	2	2	5	3	6				7	13	
Bright's Disease . . . . .	13	13								2	1	1	3	2	2	1	1					9		
Bronchitis . . . . .	49	47	3	9	8	7	5	1		33			1	2		2	1	5	5			20	29	
Heart Disease . . . . .	51	51				1			1		4	3	5	5	10	12	7	4				23	28	
Meningitis . . . . .	24	13	3		3	2	2	3	2	15	2	1	1	3	1			1				8	16	
Nephritis . . . . .	7	9									1		1			1	1	3				2	5	
Pleurisy . . . . .	2												1				1						2	
Pneumonia . . . . .	120	80	3	5	3	13	4	1	1	30	1	2	7	15	13	19	8	18	5	1		73	47	
Other Local Diseases . . . . .	95	93	13	2	4	5	2		1	27	2	6	6	11	8	6	14	10	6			51	44	
IV. DEVELOPMENTAL.																								
Cyanosis . . . . .	5	2	5							5												3	2	
Inanition . . . . .	9	3	8							8				1								4		
Old Age . . . . .	21	21																4	15	2		9	12	
Premature Birth . . . . .	15	14	15							15												6	9	
Puerp'l Diseases (not including Puerp'l Fever)	6	1											3	3									6	
Other Developmental Diseases . . . . .	24	24	11		4					15				3			2	4				11	13	
V. VIOLENT.																								
Accidental . . . . .	19	11	1		1					2		3	1	4	3		2	2	2			16	3	
Homicidal . . . . .	2	3	1							1				1								1	1	
Suicidal . . . . .	4	5												2	2							4		
Other Violent Causes . . . . .																								
Unknown Causes . . . . .	3	1	1		1					2			1									2	1	
Total from all Causes . . . . .	796	746	84	24	34	49	31	10	15	256	27	31	64	93	61	69	73	72	47	3		385	411	
Total from Zymotic Diseases . . . . .	121	131	9	3	5	13	14	14	7	65	15	8	7	6	6	4	3	6	1			53	68	
“ “ Constitutional Diseases . . . . .	186	201	10	5	5	8	4		4	36	4	6	31	33	19	23	23	8	3			83	103	
“ “ Local do. . . . .	381	329	23	16	18	28	13	5	4	107	8	14	21	40	31	42	43	48	26	1		193	188	
“ “ Developmental do. . . . .	80	65	39		4					43			3	7			2	8	15	2		33	47	
“ “ Violent Causes . . . . .	25	19	2		1					3		3	1	7	5		2	2	2	0		21	4	

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of February, 1885, and for the corresponding month in 1884.

CASES REPORTED DURING FEBRUARY, 1885.			CASES REPORTED DURING FEBRUARY, 1884.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria . . . . .	117	....	Diphtheria . . . . .	90	....
Measles . . . . .	138	....	Measles . . . . .	3	....
Small Pox . . . . .	....	....	Small Pox . . . . .	....	....
Scarlatina . . . . .	131	....	Scarlatina . . . . .	186	....
Typhoid Fever . . . . .	26	....	Typhoid Fever . . . . .	27	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

# METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of Feb., 1885, as reported by OTTO B. COLE, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
	29.782	23.3	79.0	W.	* .10	Mean Barometer, 29.919.
	29.880	6.3	52.0	W.	.00	Highest Barometer, 30.406 on 24th.
	29.859	10.6	50.3	W.	.00	Lowest Barometer, 29.009 on 10th.
	29.665	21.7	88.7	W.	.01	Monthly Range of Barometer, 1.397.
	29.607	29.5	74.0	N.W.	.01	Mean Temperature, 20.5.
	29.705	19.6	68.3	N.W.	* †—	Highest Temperature, 51.5 on 10th.
6	29.940	14.0	50.3	N.W.	.00	Lowest Temperature, 0.8 on 12th.
7	29.972	18.3	66.0	W.	† .03	Monthly Range of Temperature, 50.7.
8	30.001	27.1	86.7	E.	.01	Greatest Daily Range of Temperature, 38.7 on 10th.
9	29.184	32.2	83.0	W.	1.73	Least Daily Range of Temperature, 5.9 on 27th.
10	29.967	3.6	49.7	W.	.00	Mean Daily Range of Temperature, 16.1.
11	30.193	13.0	52.0	S.W.	.00	Mean Daily Dew-point, 10.8.
12	30.149	20.7	73.0	N.W.	* †—	Mean Daily Relative Humidity, 66.6.
13	30.111	19.6	73.3	N.	* †—	Prevailing Direction of Wind, W.
14	30.161	24.5	62.0	N.E.	† .03	Total Movement of Wind, 9,244 Miles.
15	29.775	34.5	93.3	E.	† .68	Highest Velocity of Wind and Direction, 54 Miles per hour, E, 16th.
16	29.805	9.4	45.0	W.	.00	Number of Foggy Days, 0.
17	29.917	13.3	62.3	N.W.	† .38	“ Clear “ 12.
18	29.829	11.9	56.3	W.	.00	“ Fair “ 10.
19	29.764	13.3	60.3	W.	.00	Number of Cloudy “ 6.
20	29.893	21.7	63.7	W.	.00	Total Number of Days on which Rain or Snow fell, 13.
21	30.026	22.3	68.7	W.	.00	Depth of unmelted Snow on ground at end of month, 3.0 in.
22	30.199	19.6	59.7	N.W.	.00	Dates of Auroras, 0.
23	30.312	24.1	58.7	W.	.00	Dates of Solar Halos, 0.
24	30.110	25.7	77.3	N.E.	† .04	Dates of Lunar Halos, 22d.
25	30.119	23.7	68.7	N.W.	.00	Thunder Storm, 0.
26	29.965	32.1	67.7	N.E.	.00	Dates of Frosts, 28th.
27	30.039	35.2	62.7	N.W.	.00	
TOTALS .....	837.719	573.8	1863.4		3.00	
MEANS .....	29.919	20.5	66.6	W.	1.07	

\* Inappreciable.

† Melted snow.

‡ Melted snow and rain.

## COMPARATIVE TEMPERATURE.

1871 . . . . .	28.6	1878 . . . . .	29.1
1872 . . . . .	28.1	1879 . . . . .	23.6
1873 . . . . .	27.2	1880 . . . . .	32.0
1874 . . . . .	27.9	1881 . . . . .	27.7
1875 . . . . .	22.1	1882 . . . . .	30.4
1876 . . . . .	27.0	1883 . . . . .	29.2
1877 . . . . .	32.5	1884 . . . . .	31.0

## COMPARATIVE PRECIPITATIONS.

	Inches.		Inches
1871 . . . . .	2.51	1878 . . . . .	4.40
1872 . . . . .	2.31	1879 . . . . .	4.35
1873 . . . . .	3.21	1880 . . . . .	4.11
1874 . . . . .	3.41	1881 . . . . .	4.50
1875 . . . . .	3.74	1882 . . . . .	4.77
1876 . . . . .	4.54	1883 . . . . .	2.74
1877 . . . . .	0.54	1884 . . . . .	0.74



# OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

## Statement of Mortality for the month of March, 1885.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M. D.,  
*Chairman.*

Deaths during the month of March, 1885, . . . . . 855  
Population estimated July 1st, 1883, at 427,940 (106.985 Polls). Rate per 1,000 inhabitants, 23.9

Total number . . . . .	855	NATIVITY.	
SEX.		United States . . . . .	558
Males . . . . .	446	Ireland . . . . .	196
Females . . . . .	409	England . . . . .	13
CONDITION.		Scotland . . . . .	4
Married . . . . .	250	Germany . . . . .	12
Single . . . . .	458	British America . . . . .	36
Widows . . . . .	108	Other Countries . . . . .	19
Widowers . . . . .	34	Unknown . . . . .	17
Unknown . . . . .	5	PARENTAGE.	
COLOR.		United States . . . . .	234
White . . . . .	836	Irish . . . . .	335
Colored . . . . .	19	English . . . . .	21
		Scotch . . . . .	8
Total deaths of children	Under 1 year . . . . .	German . . . . .	18
	Under 2 years . . . . .	British American . . . . .	29
	Under 5 years . . . . .	Other Countries . . . . .	57
Diarrhæal diseases,	Under 5 years . . . . .	Mixed . . . . .	79
	All ages . . . . .	Unknown . . . . .	74
		Still-births during the month . . . . .	51

# Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for March, 1885.	Total Mortality for March, 1884.	AGE.																		SEX.			
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM . . . . .	4	7												2	1				1				3	1
CROUP . . . . .	11	10				6	2	1		9	2											7	4	
CARCUNCLE . . . . .																								
CHOLERA MORBUS . . . . .																								
CHOLERA INFANTUM . . . . .		4																						
CEREBRO-SPINAL MENINGITIS . . . . .	5	5	1	1	1					3		1	1									2	3	
CONGESTIVE FEVER . . . . .																								
DIARRHŒA . . . . .	8	18	5	1			1			7						1						4	4	
DYSENTERY . . . . .	1	4														1							1	
DIPHTHERIA . . . . .	24	30			2	4	5	3	6	20	1	2				1						10	14	
ERYSIPELAS . . . . .	6	7	1							1						1	1	3				5	1	
INTERMITTENT FEVER . . . . .	1																		1				1	
INFLUENZA . . . . .																								
MEASLES . . . . .	4				1	3				4												3	1	
PURPURA . . . . .	1				1					1												1		
PUERPERAL FEVER . . . . .	2	5											1	1									2	
PYÆMIA . . . . .																								
REMITTENT FEVER . . . . .																								
RHEUMATISM . . . . .	1	2															1					1		
SCARLATINA . . . . .	23	14			1	6	2	4	1	14	7	1	1									11	12	
SMALL POX . . . . .																								
SYPHILIS (CONGENITAL) . . . . .	2	1		2						2												2		
SYPHILIS . . . . .	1														1							1		
SEPTICÆMIA . . . . .	3	2									1			1		1						1	2	
TONSILLITIS . . . . .	1													1									1	
TYPHOID FEVER . . . . .	7	6										1	2	2				2				3	4	
TYPHUS FEVER . . . . .																								
WHOOPING COUGH . . . . .	1	7							1	1												1		
YELLOW FEVER . . . . .																								
OTHER ZYMOTIC DISEASES . . . . .		3																						
II. CONSTITUTIONAL.																								
CANCER . . . . .	14	14												3	2	5	2	2				4	10	
HYDROCEPHALUS AND TUBERC. MENINGITIS . . . . .	7	24		1	2	1	2			6	1											3	4	
MARASMUS, SCROFULA AND TABES MESENTERICA . . . . .	17	14	3	4	3	2	2			14		1				1		1				8	9	
PHTHISIS PULMONALIS . . . . .	142	144			1	3	2			6		10	44	44	12	16	4	5	1			73	69	
OTHER CONSTITUTIONAL DISEASES . . . . .	4	10			1		1			2					1	1						3	1	



of March, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	AGE.																	SEX.					
	Total Mortality for March, 1885.	Total Mortality for March, 1884.	Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.
III. LOCAL.																							
APoplexy . . . . .	22	22												1	3	4	5	3	7			13	9
BRIGHT'S DISEASE . . . . .	16	21												3	2	6	3	1	1			7	
BRONCHITIS . . . . .	70	43	5	9	8	13	2		1	38	1		2	1	6	1	9	9	3			30	40
HEART DISEASE . . . . .	55	49	1							1		5	3	7	11	7	12	8	1			30	25
MENINGITIS . . . . .	32	30	1	3	4	12	1	3	1	25			5		2							19	13
NEPHRITIS . . . . .	15	7											4	1	4	3	1	2				7	8
PLEURISY . . . . .	3	2												1		1		1				1	2
PNEUMONIA . . . . .	153	80	3	5	11	8	5	2	5	39	4	2	17	22	15	17	17	15	5			80	73
OTHER LOCAL DISEASES . . . . .	104	96	11	3	1	7	4	3	1	30	2	4	7	14	11	19	13	4				65	30
IV. DEVELOPMENTAL.																							
CYANOSIS . . . . .	4	2	2			1			1	4													4
INANITION . . . . .	8	8	6	1	1					8												4	4
OLD AGE . . . . .	24	22													1		2	6	12	3		8	16
PREMATURE BIRTH . . . . .	12	9	11		1					12												6	6
PUERPL DISEASES (not including Puerpl Fever)	4	9											2	2									4
OTHER DEVELOPMENTAL DISEASES . . . . .	15	20	8			1				9			1				3	2				11	4
V. VIOLENT.																							
ACCIDENTAL . . . . .	21	17	5				2	1		8			3	3	1	1	1	2	1	1		15	6
HOMICIDAL . . . . .		1																					
SUICIDAL . . . . .		5																					
OTHER VIOLENT CAUSES . . . . .																							
UNKNOWN CAUSES . . . . .	7	2	1	1						2						2	2	1	-			4	3
TOTAL FROM ALL CAUSES . . . . .	855	779	64	31	39	67	31	17	17	266	19	27	93	108	75	89	76	68	32	4		446	409
TOTAL FROM ZYMOTIC DISEASES . . . . .	106	128	7	4	6	19	10	8	8	62	11	5	5	7	2	5	2	6	1			55	51
“ “ CONSTITUTIONAL DISEASES . . . . .	184	206	3	5	7	6	7			28	1	11	44	47	15	23	6	8	1			91	93
“ “ LOCAL do. . . . .	470	350	21	20	24	40	12	8	8	133	7	11	38	49	54	58	60	43	17			252	218
“ “ DEVELOPMENTAL do. . . . .	67	70	27	1	2	2			1	33			3	2	1		5	8	12	3		29	38
“ “ VIOLENT CAUSES . . . . .	21	23	5				2	1		8			3	3	1	1	1	2	1	1		15	

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of March, 1885, and for the corresponding month in 1884.

CASES REPORTED DURING MARCH, 1885.			CASES REPORTED DURING MARCH, 1884.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria . . . . .	108	....	Diphtheria . . . . .	97	....
Measles . . . . .	153	....	Measles . . . . .	2	....
Small Pox . . . . .	1	....	Small Pox . . . . .	....	....
Scarlatina . . . . .	182	....	Scarlatina . . . . .	195	....
Typhoid Fever . . . . .	24	....	Typhoid Fever . . . . .	39	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

# METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of March, 1885, as reported by OTTO B. COLE, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	29.601	40.5	80.3	S.	.22	Mean Barometer, 29.971.
2	29.522	36.0	64.3	W.	.04	Highest Barometer, 30.492 on 30th.
3	29.880	30.1	64.3	W.	.00	Lowest Barometer, 29.395 on 2d.
4	29.916	40.7	57.3	S.	.00	Monthly Range of Barometer, 1.097.
5	30.004	38.6	57.0	W.	.00	Mean Temperature, 27.9.
6	30.142	30.8	66.3	N.W.	.00	Highest Temperature, 58.9 on 31st.
7	30.012	26.8	74.7	N.E.	.00	Lowest Temperature, 2.9 on 13th.
8	29.939	21.2	72.0	N.	*—	Monthly Range of Temperature, 56.0.
9	29.928	20.7	75.0	W.	.00	Greatest Daily Range of Temperature, 23.8 on 31st.
10	29.839	24.7	73.3	W.	*—	Least Daily Range of Temperature, 10.6 on 7th.
11	30.209	19.3	56.0	W.	.00	Mean Daily Range of Temperature, 13.1.
12	30.125	20.6	57.7	N.W.	.05	Mean Daily Dew-point, 16.8.
13	30.207	16.6	73.3	N. E.	.05	Mean Daily Relative Humidity, 63.6.
14	29.957	26.8	66.7	N.W.	*—	Prevailing Direction of Wind, W.
15	29.708	34.7	79.0	S.	.35	Total Movement of Wind, 10,267 Miles.
16	29.805	29.7	63.0	W.	*—	Highest Velocity of Wind and Direction, 39 Miles per hour, W, 10th.
17	30.074	15.4	50.7	W.	.01	Number of Foggy Days, 0.
18	29.966	14.6	68.0	N.	*—	" Clear " 8.
19	29.580	21.4	61.3	W.	.00	" Fair " 16.
20	29.559	14.4	60.0	W.	.01	Number of Cloudy " 7.
21	29.976	13.2	48.0	W.	.00	Total Number of Days on which Rain or Snow fell, 15.
22	30.087	18.4	54.7	N.	.00	Depth of unmelted Snow on ground at end of month, inappreciable.
23	30.083	19.2	54.7	N.	.00	Dates of Auroras, 0.
24	30.174	27.2	67.3	W.	.00	Dates of Solar Halos, 0.
25	30.079	31.0	67.0	W.	.00	Dates of Lunar Halos, 0.
26	30.171	33.1	52.3	W.	.00	Thunder Storm, 0.
27	29.908	46.1	62.7	S.	.00	Dates of Frosts, 0.
28	29.867	45.8	48.3	N.W.	.00	
29	30.106	27.1	69.0	N.	.41	
30	30.445	32.3	66.3	S.	.00	
31	30.166	46.8	61.7	S.	.05	
TOTALS.....	929.085	863.8	1972.2		1.15	
MEANS.....	29.971	27.9	63.6	W.	.037	

## COMPARATIVE TEMPERATURE.

1871 . . . . .	41.5	1879 . . . . .	33.4
1872 . . . . .	26.8	1880 . . . . .	32.8
1873 . . . . .	35.0	1881 . . . . .	36.4
1874 . . . . .	35.1	1882 . . . . .	35.3
1875 . . . . .	31.3	1883 . . . . .	31.3
1876 . . . . .	32.9	1884 . . . . .	33.5
1877 . . . . .	34.4	1885 . . . . .	27.9
1878 . . . . .	39.4		

## COMPARATIVE PRECIPITATIONS.

	Inches.		Inches.
1871 . . . . .	4.55	1879 . . . . .	3.90
1872 . . . . .	4.05	1880 . . . . .	3.25
1873 . . . . .	3.76	1881 . . . . .	9.86
1874 . . . . .	1.60	1882 . . . . .	3.55
1875 . . . . .	5.04	1883 . . . . .	2.33
1876 . . . . .	7.19	1884 . . . . .	4.86
1877 . . . . .	9.79	1885 . . . . .	1.15
1878 . . . . .	5.91		

\* Inappreciable.



# OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

## Statement of Mortality for the month of April, 1885.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M. D.,  
*Chairman.*

Deaths during the month of April, 1885, . . . . . 930  
Population estimated July 1st, 1883, at 427,940 (106.985 Polls). Rate per 1,000 inhabitants, 26.0

Total number . . . . .	930	NATIVITY.	
SEX.		United States . . . . .	608
Males . . . . .	441	Ireland . . . . .	203
Females . . . . .	489	England . . . . .	18
CONDITION.		Scotland . . . . .	11
Married . . . . .	271	Germany . . . . .	20
Single . . . . .	503	British America . . . . .	44
Widows . . . . .	117	Other Countries . . . . .	8
Widowers . . . . .	31	Unknown . . . . .	18
Unknown . . . . .	8	PARENTAGE.	
COLOR.		United States . . . . .	246
White . . . . .	911	Irish . . . . .	344
Colored . . . . .	19	English . . . . .	23
Total deaths of children {		Scotch . . . . .	21
		German . . . . .	32
		British American . . . . .	35
Under 1 year . . . . .		Other Countries . . . . .	69
Under 2 years . . . . .		Mixed . . . . .	78
Under 5 years . . . . .		Unknown . . . . .	82
Diarrhoeal diseases, {		Still-births during the month . . . . .	
		Under 5 years . . . . .	
All ages . . . . .		10	
		12	

# Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for April, 1885.	Total Mortality for April, 1884.	AGE.																		SEX.			
			Under 3 m. s.	3 m. s. and under 6 mos.	6 months and under 1 yr.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 yrs.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM . . . . .	3	1											1	2									4	1
CROUP . . . . .	10	13			1	2	3			6	3	1											2	8
CARBUNCLE . . . . .																								
CHOLERA MORBUS . . . . .																								
CHOLERA INFANTUM . . . . .	3	1		2		1				3													2	1
CEREBRO-SPINAL MENINGITIS . . . . .		3																						
CONGESTIVE FEVER . . . . .																								
DIARRHŒA . . . . .	7	10	4	1				1		6							1						5	3
DYSENTERY . . . . .	2	1				1				1				1										2
DIPHTHERIA . . . . .	27	14			4	5	5	1	3	18	6	3											17	10
ERYSIPELAS . . . . .	5	7		1						1				1	1				1	1			3	2
INTERMITTENT FEVER . . . . .		1																						
INFLUENZA . . . . .																								
MEASLES . . . . .	14			1	5	3	3			12	2												7	7
PURPURA . . . . .																								
PURPURAL FEVER . . . . .	4	3										1		2	1									4
PYŒMIA . . . . .		1																						
REMITTENT FEVER . . . . .																								
RHEUMATISM . . . . .	4	2												1				1	2				1	3
SCARLATINA . . . . .	21	15			2	5	4	2	2	15	5		1										12	9
SMALL POX . . . . .		1																						
SYPHILIS (CONGENITAL) . . . . .	2	1	1	1						2														2
SYPHILIS . . . . .																								
SEPTICŒMIA . . . . .	1													1										1
TONSILLITIS . . . . .		3																						
TYPHOID FEVER . . . . .	9	12									1	2	2	2	2								2	7
TYPHUS FEVER . . . . .																								
WHOOPING COUGH . . . . .	2	4				1				1	1													2
YELLOW FEVER . . . . .																								
OTHER ZYMOTIC DISEASES . . . . .	1			1						1														1
II. CONSTITUTIONAL.																								
CANCER . . . . .	19	29													2	3	9	4	1				5	14
HYDROCEPHALUS AND TUBERC. MENINGITIS . . . . .	19	20		2	4	5	3	3		17				1		1							6	13
MARASMUS, SCROFULA AND TABES MESENTERICA . . . . .	29	9	12	5	3	1				21	1		1		1	1	2	1	1				11	18
THIRIBIS PULMONALIS . . . . .	152	123			3	3	1	3		10	2	13	43	37	25	5	10	4	2	1			81	71
OTHER CONSTITUTIONAL DISEASES . . . . .	14	18		1						1	2	1	3	2	1	1	3						6	8

# of April, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	AGE.																				SEX.		
	Total Mortality for April, 1885.	Total Mortality for April, 1884.																			Males.	Females.	
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.			100 years and over.
III. LOCAL.																							
Apoplexy . . . . .	31	26				2			2			1	1	4	5	4	8	5	1		8	23	
Bright's Disease . . . . .	20	21										5	2	3	4	3	3				10	10	
Bronchitis . . . . .	50	42	6	5	7	10	4		32		1		1	1	4	7	2	2			20	30	
Heart Disease . . . . .	45	41	1	1				2	3	3	4	4	4	4	8	6	7	3	3		20	25	
Meningitis . . . . .	28	17	2	1	7	10	3	1	24	1			1	2							21	7	
Nephritis . . . . .	12	6											1	1	3	1	5	1			8	4	
Pleurisy . . . . .	2	1													1	1						2	
Pneumonia . . . . .	180	81	1	3	12	18	7	5	6	52	10	3	7	22	17	21	26	18	4		96	84	
Other Local Diseases . . . . .	105	88	11	1	9	5	2	3	1	32	2	4	8	9	7	12	13	17	5		46	63	
IV. DEVELOPMENTAL.																							
Cyanosis . . . . .	2	2	2						2												1	1	
Inanition . . . . .	2	13	2						2													2	
Old Age . . . . .	36	21														1	2	7	18	7	1	8	28
Premature Birth . . . . .	10	8	10						10												6	4	
Puer'l Diseases (not including Puer'l Fever)	2	1											2									2	
Other Developmental Diseases . .	27	13	14		3	2			19	1		1		2	2	2					15	12	
V. VIOLENT.																							
Accidental . . . . .	20	28						1	1	2	3	1	2	4	2	3	2	1			16	4	
Homicidal . . . . .		3																					
Suicidal . . . . .	4	5												1	2		1				4		
Other Violent Causes . . . . .																							
Unknown Causes . . . . .	2	3			1				1				1								2		
TOTAL FROM ALL CAUSES . . . . .	930	713	66	24	62	74	35	20	15	206	43	34	82	99	86	77	93	69	41	9	1	441	489
TOTAL FROM ZYMOTIC DISEASES . . . . .	115	94	5	6	13	18	15	4	5	66	18	7	5	9	4		2	5	1		51	64	
“ “ Constitutional Diseases . . . . .	233	199	12	8	10	9	4	6		49	5	14	47	42	30	17	19	6	3	1	109	124	
“ “ Local do. . . . .	477	323	21	10	35	45	16	9	9	145	16	12	26	41	46	54	65	52	19	1	229	248	
“ “ Developmental do. . . . .	79	58	28		3	2				33	1		1	2	2	3	4	7	18	7	1	30	49
“ “ Violent Causes . . . . .	24	36					1	1	2	3	1	2	5	4	3	3	1				20	4	

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of April, 1885, and for the corresponding month in 1884.

CASES REPORTED DURING APRIL, 1885.			CASES REPORTED DURING APRIL, 1884.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria . . . . .	109	....	Diphtheria . . . . .	81	....
Measles . . . . .	411	....	Measles . . . . .	46	....
Small Pox . . . . .	5	....	Small Pox . . . . .	1	....
Scarlatina . . . . .	159	....	Scarlatina . . . . .	230	....
Typhoid Fever . . . . .	31	....	Typhoid Fever . . . . .	15	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....



# METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of April, 1885, as reported by OTTO B. COLE, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	30.165	49.0	46.3	W.	*—	Mean Barometer, 29.965.
2	30.259	38.6	68.3	S.E.	*—	Highest Barometer, 30.346 on 19th.
3	29.903	51.7	73.3	S.	.32	Lowest Barometer, 29.193 on 29th.
4	29.946	38.2	96.3	N.E.	.99	Monthly Range of Barometer, 1.348.
5	29.616	42.8	61.0	W.	.01	Mean Temperature, 46.5.
6	29.701	41.7	62.7	W.	*—	Highest Temperature, 82.4 on 24th.
7	†	†	†	S.E.	†	Lowest Temperature, 27.2 on 1st.
8	29.797	50.5	74.7	S.	.17	Monthly Range of Temperature, 55.2.
9	30.004	32.7	60.7	N.W.	.00	Greatest Daily Range of Temperature, 33.4 on 3d.
10	30.039	32.7	73.3	E.	.00	Least Daily Range of Temperature, 3.3 on 4th.
11	29.792	38.6	60.7	W.	.00	Mean Daily Range of Temperature, 17.3.
12	29.737	38.5	68.7	E.	.09	Mean Daily Dew-point, 33.7.
13	29.770	39.5	77.3	W.	.02	Mean Daily Relative Humidity, 64.2
14	29.971	42.1	62.3	N.W.	*—	Prevailing Direction of Wind, W.
15	29.925	43.3	49.7	W.	.00	Total Movement of Wind, 9,323 Miles.
16	29.920	42.4	47.7	N.W.	.00	Highest Velocity of Wind and Direction, 50 Miles per hour, N, 29th.
17	30.121	46.0	50.7	N.W.	.00	Number of Foggy Days, 0.
18	30.413	45.5	50.7	E.	.00	“ Clear “ 15.
19	30.493	46.6	60.0	W.	.00	“ Fair “ 7.
20	30.365	57.4	49.7	W.	.00	Number of Cloudy “ 7.
21	30.179	63.2	45.7	W.	.00	Total Number of Days on which Rain or Snow fell, 15.
22	30.213	54.5	71.7	E.	.00	Depth of unmelted Snow on ground at end of month, 0.
23	30.183	60.2	63.3	S.	.00	Dates of Auroras, 0.
24	29.931	66.1	53.0	S.W.	.00	Dates of Solar Halos, 0.
25	33.070	55.3	61.3	N.	*—	Dates of Lunar Halos, 0.
26	30.055	41.2	85.0	E.	.96	Thunder Storm, 0.
27	29.898	52.4	54.3	W.	.02	Dates of Frosts, 0.
28	29.762	45.4	74.3	E.	.01	
29	29.398	41.2	96.0	N.	.71	
30	29.637	56.6	62.0	N.W.	.00	
TOTALS .....	868.978	1347.8	1862.7		3.30	
MEANS .....	29.965	46.5	64.2	W.	.110	

\* Inappreciable.

† Part of observations missed, making records incomplete.

# OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

## Statement of Mortality for the month of May, 1885.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M. D.,  
*Chairman.*

Deaths during the month of May, 1885, . . . . . 838  
Population estimated July 1st, 1883, at 427,940 (106,985 Polls). Rate per 1,000 inhabitants, 23.4

Total number . . . . . 838

### SEX.

Males . . . . . 405

Females . . . . . 433

### CONDITION.

Married . . . . . 256

Single . . . . . 481

Widows . . . . . 75

Widowers . . . . . 24

Unknown . . . . . 2

### COLOR.

White . . . . . 815

Colored . . . . . 23

### NATIVITY.

United States . . . . . 564

Ireland . . . . . 157

England . . . . . 19

Scotland . . . . . 10

Germany . . . . . 14

British America . . . . . 49

Other Countries . . . . . 10

Unknown . . . . . 15

### PARENTAGE.

United States . . . . . 215

Irish . . . . . 322

English . . . . . 17

Scotch . . . . . 18

German . . . . . 27

British American . . . . . 44

Other Countries . . . . . 56

Mixed . . . . . 62

Unknown . . . . . 77

Still-births during the month . . . . . 50

Total deaths of children { Under 1 year . . . . . 163  
Under 2 years . . . . . 235  
Under 5 years . . . . . 296

Diarrhoeal diseases, { Under 5 years . . . . . 12  
All ages . . . . . 13

# Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for May, 1885.	Total Mortality for May, 1884.	AGE.																			SEX.		
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM . . . . .	7	6												1	3	2		1					4	3
CROUP . . . . .	11	10			4	3	2	2	11													5	6	
CARBUNCLE . . . . .	1														1									
CHOLERA MORBUS . . . . .																								
CHOLERA INFANTUM . . . . .	3	3	1		1	1			3													2	1	
CEREBRO-SPINAL MENINGITIS . . . . .	2									1	1												2	
CONGESTIVE FEVER . . . . .																								
DIARRHŒA . . . . .	10	17	5	2	1	1			9									1				4	6	
DYSENTERY . . . . .		1																						
DIPHTHERIA . . . . .	23	25			2	4	4	1	11	10	2											7	16	
ERYSIPELAS . . . . .	5	3	1						1		1	1				1	1					3	2	
INTERMITTENT FEVER . . . . .																								
INFLUENZA . . . . .																								
MEASLES . . . . .	16				5	6		2	13	1	1	1										7	9	
PURPURA . . . . .																								
PURPERAL FEVER . . . . .	3	8										2	1										3	
PYŒMIA . . . . .		2																						
REMITTENT FEVER . . . . .																								
RHEUMATISM . . . . .	3	1												2		1						3		
SCARLATINA . . . . .	18	19			4	3	2	1	10	7	1											7	11	
SMALL POX . . . . .	1											1											1	
SYPHILIS (CONGENITAL) . . . . .	1	2			1				1													1		
SYPHILIS . . . . .	1											1											1	
SEPTICŒMIA . . . . .	3	3	2						2						1							2	1	
TONSILLITIS, . . . . .	1				1				1													1		
TYPHOID FEVER . . . . .	7	11								1	1	3	1			1						4	3	
TYPHUS FEVER . . . . .																								
WHOOPING COUGH . . . . .	3	16	1		1	1			3													1	2	
YELLOW FEVER . . . . .																								
OTHER ZYMOTIC DISEASES . . . . .	2						1		1		1											1	1	
II. CONSTITUTIONAL.																								
CANCER . . . . .	32	20										2	2	6	14	3	5					7	25	
HYDROCEPHALUS AND TUBERC. MENINGITIS . . . . .	26	12			3	7	4	4	1	19	4	2	1									13	13	
MARASMUS, SCROFULA AND TABES MESENTERICA . . . . .	23	18	7	5	4	5			21		1				1							12	11	
PHTHISIS PULMONALIS . . . . .	117	120			2	2	1		5		17	39	26	11	8	6	5					55	62	
OTHER CONSTITUTIONAL DISEASES . . . . .	9	13										1	2	2	2		2					5	4	



# of May, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for May, 1885.	Total Mortality for May, 1884.	AGE.																			SEX.		
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
III. LOCAL.																								
ATOPLECTY . . . . .	15	14															3	5	2	5			6	9
BRIGHT'S DISEASE . . . . .	20	19					1			1	1		4	1	3	2	3	4	1			10	10	
BRONCHITIS' . . . . .	50	28	10	6	10	12	3	1		42	1		1		2	1	2	1				22	28	
HEART DISEASE . . . . .	53	56				1				1	2	5	4	7	8	8	11	6	1			26	27	
MENINGITIS . . . . .	23	19	2	3	7	1	2		3	18	1		3			1						16	7	
NEPHRITIS . . . . .	10	7			1	1				2	1	1		3		1	1	1				4	6	
PLEURISY . . . . .	4	1															3		1			1	3	
PNEUMONIA . . . . .	133	46	3		9	16	4	1	4	37	3	4	10	15	11	14	25	8	6			69	64	
OTHER LOCAL DISEASES . . . . .	96	106	14	9	7	6	4		1	41	1	4	5	4	9	13	11	6	2			44	52	
IV. DEVELOPMENTAL.																								
CYANOSIS . . . . .	1	1	1							1												1		
INANITION . . . . .	8	6	4	2	1					7					1							7	1	
OLD AGE . . . . .	24	32															2	3	16	3		6	18	
PREMATURE BIRTH . . . . .	16	13	14		1					15			1									11	5	
PUERP'L DISEASES (not including Puerp'l Fever)	5	3										4	1										5	
OTHER DEVELOPMENTAL DISEASES . .	22	16	15			1	1			17					1	1	1	1	1			16	6	
V. VIOLENT.																								
ACCIDENTAL . . . . .	24	29	1			1		1		3	2	2	4	3	6	1	1		2			18	6	
HOMICIDAL . . . . .		2																						
SUICIDAL . . . . .	4	2											1			3						3	1	
OTHER VIOLENT CAUSES . . . . .																								
UNKNOWN CAUSES . . . . .	2	4									1								1			1	1	
TOTAL FROM ALL CAUSES . . . . .	338	713	81	27	55	72	31	17	13	296	37	45	90	70	64	76	75	46	36	3		405	433	
TOTAL FROM ZYMOTIC DISEASES . . . . .	121	126	10	2	10	19	11	10	4	66	20	8	9	5	5	5	1	2				52	69	
“ “ CONSTITUTIONAL DISEASES . . . . .	207	183	7	5	9	14	5	4	1	45	4	21	44	30	19	23	9	12				92	115	
“ “ LOCAL do. . . . .	404	206	29	18	34	37	14	2	8	142	10	14	27	30	33	43	61	28	16			198	206	
“ “ DEVELOPMENTAL do. . . . .	76	71	34	2	2	1	1			40			5	2	1	1	3	4	17	3		41	35	
“ “ VIOLENT CAUSES . . . . .	28	33	1			1	1			3	2	2	5	3	6	4	1		2			21	7	

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of May, 1885, and for the corresponding month in 1884.

CASES REPORTED DURING MAY, 1885.			CASES REPORTED DURING MAY, 1884.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria . . . . .	101	....	Diphtheria . . . . .	122	....
Measles . . . . .	331	1	Measles . . . . .	10	....
Small Pox . . . . .	2	1	Small Pox . . . . .	....	....
Scarlatina . . . . .	160	....	Scarlatina . . . . .	214	....
Typhoid Fever . . . . .	20	....	Typhoid Fever . . . . .	23	1
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

# METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of May, 1885, as reported by OTTO B. COLE, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	29.791	41.4	73.7	N.E.	.23	Mean Barometer, 29.986.
2	29.609	42.5	74.3	N.	.55	Highest Barometer, 30.335 on 21st.
3	29.886	42.8	34.7	N.W.	.00	Lowest Barometer, 29.533 on 2d.
4	29.992	41.6	71.0	E.	.02	Monthly Range of Barometer, 0.802.
5	30.052	46.9	70.7	S.W.	*—	Mean Temperature, 52.3.
6	30.049	44.4	83.7	E.	*—	Highest Temperature, 84.4 on 19th.
7	30.025	44.0	89.0	E.	.00	Lowest Temperature, 35.3 on 3d.
8	29.864	41.1	97.3	E.	.54	Monthly Range of Temperature, 49.1.
9	29.697	45.8	83.3	S.	.00	Greatest Daily Range of Temperature, 35.6 on 19th.
10	29.755	51.0	51.0	W.	.00	Least Daily Range of Temperature, 3.0 on 14th.
11	30.011	47.8	54.3	W.	.00	Mean Daily Range of Temperature, 15.0.
12	30.166	50.5	56.0	W.	.00	Mean Daily Dew-point, 42.0.
13	30.186	52.9	60.0	S.	.00	Mean Daily Relative Humidity, .715
14	29.929	46.2	93.3	N.E.	.88	Prevailing Direction of Wind, E.
15	29.971	61.8	51.0	E.	.05	Total Movement of Wind, 7,311 Miles.
16	30.266	50.4	76.7	E.	.00	Highest Velocity of Wind and Direction, 44 Miles per hour, N, 14th.
17	30.120	49.5	74.3	E.	.00	Number of Foggy Days, 0.
18	29.883	50.2	88.3	N.E.	.92	" Clear " 11.
19	29.836	71.6	49.3	W.	.07	" Fair " 12.
20	30.156	55.8	74.3	S.E.	.00	Number of Cloudy " 8.
21	30.285	53.3	76.3	S.E.	.00	Total Number of Days on which Rain or Snow fell, 15.
22	30.215	55.7	71.3	E.	.00	Depth of unmelted Snow on ground at end of month, 0.
23	30.133	54.2	93.7	E.	.47	Dates of Auroras, 0.
24	30.161	53.8	94.7	E.	.02	Dates of Solar Halos, 0.
25	29.932	58.6	87.7	E.	*—	Dates of Lunar Halos, 22d and 27th.
26	29.885	71.3	54.0	N.W.	.00	Thunder Storm, 0.
27	29.957	69.9	45.7	W.	.00	Dates of Frosts, 0.
28	30.138	54.3	60.7	E.	.00	
29	30.016	60.4	53.3	W.	.00	
30	29.894	57.7	72.7	E.	.02	
31	29.703	52.7	98.7	N.E.	.49	
TOTALS .....	929.573	1620.1	2215.0		4.26	
MEANS .....	29.986	52.3	71.5	E.	.137	

COMPARATIVE TEMPERATURE.			
1871 . . . . .	57.4	1879 . . . . .	52.9
1872 . . . . .	58.3	1880 . . . . .	62.6
1873 . . . . .	55.6	1881 . . . . .	54.9
1874 . . . . .	56.9	1882 . . . . .	49.8
1875 . . . . .	57.5	1883 . . . . .	55.6
1876 . . . . .	54.5	1884 . . . . .	53.8
1877 . . . . .	55.2	1885 . . . . .	52.3
1878 . . . . .	55.7		

COMPARATIVE PRECIPITATIONS.			
	Inches.		Inches.
1871 . . . . .	4.34	1879 . . . . .	0.97
1872 . . . . .	3.29	1880 . . . . .	1.23
1873 . . . . .	5.16	1881 . . . . .	4.16
1874 . . . . .	3.70	1882 . . . . .	6.00
1875 . . . . .	3.76	1883 . . . . .	5.11
1876 . . . . .	2.72	1884 . . . . .	5.31
1877 . . . . .	3.38	1885 . . . . .	4.26
1878 . . . . .	1.03		

\*Inappreciable.

## OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

## Statement of Mortality for the month of June, 1885.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M. D.,  
*Chairman.*

Deaths during the month of June, 1885, . . . . . 715  
Population estimated July 1st, 1883, at 427,940 (106.985 Polls). Rate per 1,000 inhabitants, 20.0

Total number . . . . .	715	NATIVITY.	
SEX.		United States . . . . .	480
Males . . . . .	366	Ireland . . . . .	187
Females . . . . .	349	England . . . . .	22
CONDITION.		Scotland . . . . .	1
Married . . . . .	224	Germany . . . . .	11
Single . . . . .	424	British America . . . . .	31
Widows . . . . .	51	Other Countries . . . . .	18
Widowers . . . . .	13	Unknown . . . . .	15
Unknown . . . . .	3	PARENTAGE.	
COLOR.		United States . . . . .	179
White . . . . .	705	Irish . . . . .	265
Colored . . . . .	10	English . . . . .	23
Total deaths of children	Under 1 year . . . . .	Scotch . . . . .	2
	Under 2 years . . . . .	German . . . . .	22
	Under 5 years . . . . .	British American . . . . .	39
Diarrhoeal diseases,	Under 5 years . . . . .	Other Countries . . . . .	61
	All ages . . . . .	Mixed . . . . .	60
		Unknown . . . . .	64
		Still-births during the month . . . . .	41



# Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for June, 1885.	Total Mortality for June, 1884.	AGE.																		SEX.		
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.
I. ZYMOTICS.																							
ALCOHOLISM . . . . .	3	5										1	2									3	
CROUP . . . . .	13	5			1	2	2	1	4	10	3										5	8	
CARBUNCLE . . . . .	1														1						1		
CHOLERA MORBUS . . . . .	2												1		1							2	
CHOLERA INFANTUM . . . . .	16	11	3	5	5	2		1		16											6	10	
CEREBRO-SPINAL MENINGITIS . . . . .	2	2			1		1			2											2		
CONGESTIVE FEVER . . . . .																							
DIARRHŒA . . . . .	20	11	10	7	2					19							1				9	11	
DYSENTERY . . . . .	4	1	1		1					2						2					3	1	
DIPHTHERIA . . . . .	25	26			1	6	5	2	2	16	8	1									12	13	
ERYSIPELAS . . . . .	2	5			1					1		1									2		
INTERMITTENT FEVER . . . . .	1											1										1	
INFLUENZA . . . . .																							
MEASLES . . . . .	14	2		1	5	4		2	2	14											9	5	
PURPURA . . . . .																							
PUERPERAL FEVER. . . . .	1	4											1									1	
PYŒMIA . . . . .	1	1	1							1												1	
REMITTENT FEVER . . . . .	1															1					1		
RHEUMATISM . . . . .	3	1	1							1					2						2	1	
SCARLATINA . . . . .	16	15			1	3	2	3	3	12	4										5	11	
SMALL POX . . . . .																							
SYPHILIS (CONGENITAL) . . . . .	3	5	1	2						3											1	2	
SYPHILIS . . . . .	1	1										1									1		
SEPTICŒMIA . . . . .	1	2												1								1	
TONSILLITIS, . . . . .	1	1									1											1	
TYPHOID FEVER. . . . .	8	7									1	2	2	1	2						5	3	
TYPHUS FEVER . . . . .																							
WHOOPING COUGH . . . . .	4	11		1		3				4											4		
YELLOW FEVER . . . . .																							
OTHER ZYMOTIC DISEASES . . . . .	1										1										1		
II. CONSTITUTIONAL.																							
CANCER . . . . .	18	14												3	4	6	3	2			4	14	
HYDROCEPHALUS AND TUBERC. MENINGITIS . .	11	21	1		1	6	1			9	2										7	4	
MARASMUS, SCROFULA AND TABES MESENTERICA	23	24	5	7	3	2	1			18	2						2		1		14	9	
PHTHRISIS PULMONALIS . . . . .	122	140			1	4	1			6	4	11	42	23	18	9	5	3	1		51	71	
OTHER CONSTITUTIONAL DISEASES . .	12	11	1				1			2		2	1	1	3	1	2				5	7	

of June, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for June, 1885.	Total Mortality for June, 1884.	AGE.																		SEX.			
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
III. LOCAL.																								
Apoplexy . . . . .	16	14													5	3	3	5				8	8	
Bright's Disease . . . . .	16	13								1		1	3	4	1	6						7	9	
Bronchitis . . . . .	30	24	3	3	4	6	1	1		18			2		2	3	2	1				17	13	
Heart Disease . . . . .	50	42			1					1	1	2	5	3	14	6	10	8				25	25	
Meningitis . . . . .	24	17	3	1	4	2	5		1	16	1	3	1	1		2						15	9	
Nephritis . . . . .	10	9							1	1				4	1	3	1					6	4	
Pleurisy . . . . .	1	1												1								1		
Pneumonia . . . . .	49	30	1		5	3	3	4	1	17	5	2	4	5	4	4	6	2				32	17	
OTHER LOCAL DISEASES . . . . .	100	107	10	4	6	3	3		1	27		2	13	8	15	15	10	8	2			53	47	
IV. DEVELOPMENTAL.																								
Cyanosis . . . . .	6	2	6							6												3	3	
Inanition . . . . .	7	11	4	1	1					6			1									3	4	
Old Age . . . . .	21	19															1	7	11	2		8	13	
Premature Birth . . . . .	9	16	9							9												5	4	
Puerp'l Diseases (not including Puerp'l Fever)	3	2											3										3	
OTHER DEVELOPMENTAL DISEASES . . . . .	12	8	6		2	1				9					1		2					7	5	
V. VIOLENT.																								
Accidental . . . . .	26	30	1			2	1			4	3	3	2	4	5	1	3		1			19	7	
Homicidal . . . . .	1	1										1										1		
Suicidal . . . . .	2	2											1	1								1	1	
OTHER VIOLENT CAUSES . . . . .																								
UNKNOWN CAUSES . . . . .	2	3	1							1		1										2		
TOTAL FROM ALL CAUSES . . . . .	715	677	68	32	40	49	27	14	15	251	37	32	81	62	75	57	54	44	19	3		366	349	
TOTAL FROM ZYMOTIC DISEASES . . . . .			144	116	17	16	18	20	10	9	11	101	18	5	5	5	4	2	1	3			72	72
“ “ CONSTITUTIONAL DISEASES . . . . .	186	210	7	7	5	12	4				35	8	13	43	27	25	16	10	7	1	1		81	105
“ “ LOCAL do. . . . .	296	257	17	8	20	14	12	5	4	80		8	9	26	25	40	38	39	25	6			164	132
“ “ DEVELOPMENTAL do. . . . .	58	58	25	1	3	1					30			4		1		1	9	11	2		26	32
“ “ VIOLENT CAUSES . . . . .	29	33	1			2	1				4	3	4	3	5	5	1	3		1			21	8

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of June, 1885, and for the corresponding month in 1884.

CASES REPORTED DURING JUNE, 1885.			CASES REPORTED DURING JUNE, 1884.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria . . . . .	103	....	Diphtheria . . . . .	95	....
Measles . . . . .	285	....	Measles . . . . .	5	3
Small Pox . . . . .	....	....	Small Pox . . . . .	....	....
Scarlatina . . . . .	135	....	Scarlatina . . . . .	173	....
Typhoid Fever . . . . .	25	....	Typhoid Fever . . . . .	31	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

# METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of June, 1885, as reported by OTTO B. COLE, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	29.654	53.8	87.7	S.E.	*—	Mean Barometer, 29.940.
2	29.822	58.9	65.3	N.W.	.00	Highest Barometer, 30.256 on 11th.
3	30.0 3	55.9	67.7	S.E.	.01	Lowest Barometer, 29.432 on 8th.
4	29.849	62.3	76.0	W.	*—	Monthly Range of Barometer, 0.824.
5	29.682	50.7	95.0	N.	1.26	Mean Temperature, 66.4.
6	29.951	62.0	50.9	N.	.00	Highest Temperature, 91.9 on 16th.
7	29.830	66.0	55.0	S.W.	.00	Lowest Temperature, 45.3 on 3d.
8	29.602	66.1	66.3	W.	.30	Monthly Range of Temperature, 46.6.
9	29.889	55.8	50.0	N.W.	.00	Greatest Daily Range of Temperature, 28.0 on 16th.
10	30.187	63.2	49.7	W.	.00	Least Daily Range of Temperature, 8.5 on 1st.
11	30.201	66.8	48.0	W.	.00	Mean Daily Range of Temperature, 21.0.
12	30.162	67.9	49.0	W. and S.W.	.00	Mean Daily Dew-point, 51.6.
13	30.033	70.2	67.7	S.W.	.00	Mean Daily Relative Humidity, .62.0
14	29.817	75.1	61.0	W.	.00	Prevailing Direction of Wind, W.
15	30.002	72.7	49.0	S.W. and N.W.	.00	Total Movement of Wind, 8,603 Miles.
16	29.828	79.1	55.7	W.	.00	Highest Velocity of Wind and Direction, 34 Miles per hour, E.
17	29.916	68.7	50.0	N.W.	*—	Number of Foggy Days, 0.
18	30.165	68.5	50.0	W.	.00	" Clear " 15.
19	30.165	68.5	62.3	S.W.	.00	" Fair " 11.
20	29.109	73.7	55.3	W.	.00	Number of Cloudy " 4.
21	29.995	70.4	64.3	S.	.00	Total Number of Days on which Rain or Snow fell, 7.
22	29.564	70.0	58.0	S. and N.W.	.02	Depth of unmelted Snow on ground at end of month, 0.
23	29.919	61.3	47.0	W.	.00	Dates of Auroras, 0.
24	30.096	67.8	43.7	N.W.	.00	Dates of Solar Halos, 0.
25	30.112	72.9	51.7	N.W.	.00	Dates of Lunar Halos, 0.
26	30.083	73.0	62.7	W.	.00	Thunder Storm, 8th and 29th.
27	30.034	72.4	73.7	S.W.	.00	Dates of Frosts, 0.
28	29.944	70.9	83.0	S.W.	.42	
29	29.699	66.4	90.0	E.	1.67	
30	29.633	61.2	73.7	N.W.	.02	
31						
TOTALS .....	898.186	1992.2	1839.2		3.70	
MEANS .....	29.940	66.4	62.0	W.	.123	

\*Inappreciable.

## COMPARATIVE TEMPERATURE.

1871 . . . . .	65.9	1879 . . . . .	64.1
1872 . . . . .	68.2	1880 . . . . .	67.3
1873 . . . . .	67.8	1881 . . . . .	60.6
1874 . . . . .	66.1	1882 . . . . .	65.9
1875 . . . . .	66.7	1883 . . . . .	65.3
1876 . . . . .	68.1	1884 . . . . .	66.0
1877 . . . . .	66.3	1885 . . . . .	
1878 . . . . .	64.1		

## COMPARATIVE PRECIPITATIONS.

	Inches.		Inches
1871 . . . . .	5.47	1879 . . . . .	6.24
1872 . . . . .	4.84	1880 . . . . .	0.75
1873 . . . . .	0.54	1881 . . . . .	7.79
1874 . . . . .	3.94	1882 . . . . .	1.03
1875 . . . . .	7.25	1883 . . . . .	2.07
1876 . . . . .	1.72	1884 . . . . .	4.01
1877 . . . . .	3.21	1885 . . . . .	
1878 . . . . .	2.28		



# OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

## Statement of Mortality for the month of July, 1885.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M. D.,  
*Chairman.*

Deaths during the month of July, 1885, . . . . . 1,004  
Population estimated July 1st, 1883, at 427,940 (106.985 Polls). Rate per 1,000 inhabitants, 28.1

Total number . . . . .	1,004	NATIVITY.	
SEX.		United States . . . . .	751
Males . . . . .	535	Ireland . . . . .	161
Females . . . . .	469	England . . . . .	19
CONDITION.		Scotland . . . . .	5
Married . . . . .	233	Germany . . . . .	10
Single . . . . .	691	British America . . . . .	27
Widows . . . . .	52	Other Countries . . . . .	12
Widowers . . . . .	22	Unknown . . . . .	19
Unknown . . . . .	6	PARENTAGE.	
COLOR.		United States . . . . .	236
White . . . . .	979	Irish . . . . .	380
Colored . . . . .	25	English . . . . .	17
Total deaths of children	Under 1 year . . . . .	Scotch . . . . .	8
	Under 2 years . . . . .	German . . . . .	34
	Under 5 years . . . . .	British American . . . . .	53
Diarrhœal diseases,	Under 5 years . . . . .	Other Countries . . . . .	90
	All ages . . . . .	Mixed . . . . .	108
		Unknown . . . . .	78
		Still-births during the month . . . . .	39

# Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for July, 1885.	Total Mortality for July, 1884.	AGE.																		SEX.			
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 yr.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM . . . . .	4	5												1	1	1	1					4		
CROUP . . . . .	8	3		1		5	1	1	8													4	4	
CARBUNCLE . . . . .	1																1					1		
CHOLERA MORBUS . . . . .	15	11			1				1	2	1	1	2	2	2	1	1	3				2	13	
CHOLERA INFANTUM . . . . .	226	158	42	63	93	24	3		225	1												121	105	
CEREBRO-SPINAL MENINGITIS . . . . .	2	1		1						1	1											1	1	
CONGESTIVE FEVER . . . . .																								
DIARRHŒA . . . . .	27	27	7	6	3	3	2		21					1	2		2		1			14	13	
DYSENTERY . . . . .	11	8						2	1	3	3		1	1		1	1		1			5	6	
DIPHTHERIA . . . . .	23	11			2	1	3	3	8	17	4	1			1							9	14	
ERYSIPELAS . . . . .	1			1						1													1	
INTERMITTENT FEVER . . . . .																								
INFLUENZA . . . . .																								
MEASLES . . . . .	11	1		1		10				11												8	3	
PURPURA . . . . .	1														1							1		
PUERPERAL FEVER . . . . .	2	3											1	1									2	
PYŒMIA . . . . .		1																						
REMITTENT FEVER . . . . .																								
RHEUMATISM . . . . .	1	1															1						1	
SCARLATINA . . . . .	13	16			1	3	1	4		9	3	1										8	5	
SMALL POX . . . . .																								
SYPHILIS (CONGENITAL) . . . . .		7																						
SYPHILIS . . . . .	1	1												1									1	
SEPTICŒMIA . . . . .		1																						
TONSILLITIS . . . . .																								
TYPHOID FEVER . . . . .	16	15									2	4	5	2	2		1					9	7	
TYPHUS FEVER . . . . .																								
WHOOPING COUGH . . . . .	1	31	1							1												1		
YELLOW FEVER . . . . .																								
OTHER ZYMOTIC DISEASES . . . . .																								
II. CONSTITUTIONAL.																								
CANCER . . . . .	29	26											2	2	4	8	8	5				8	21	
HYDROCEPHALUS AND TUBERC. MENINGITIS . . . . .	24	14		3	7	7	5		1	23	1											19	5	
MARASMUS, SCROFULA AND TABES MESENTERICA . . . . .	38	27	8	10	10	3	2	2		35					1	1		1				22	16	
PHTHISIS PULMONALIS . . . . .	129	109	1	1	1		1			4	1	19	40	30	21	9	2	2	1			59	70	
OTHER CONSTITUTIONAL DISEASES . . . . .	13	12	2	2			3			7		2	1	1	1			1				9	4	

# of July, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for July, 1885.	Total Mortality for July, 1884.	AGE.																			SEX.		
			Under 3 mos. 3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.		
III. LOCAL.																								
Apoplexy . . . . .	24	23										1	1	6	6	4	5	1			14	10		
Bright's Disease . . . . .	16	8										1	1	3	2	3	3	2	1		7	9		
Bronchitis . . . . .	22	19	3	5	3	6				17		1	1			1	1	1			9	13		
Heart Disease . . . . .	43	34	1					1		2	1	3	2	5	6	8	6	9	1		20	23		
Meningitis . . . . .	34	20	2	4	9	7	3	2	1	28	2	1	2	1							22	12		
Nephritis . . . . .	7	12		1			1	1		3				1		1	2				6	1		
Pleurisy . . . . .	3	1			1					1						1	1				2	1		
Pneumonia . . . . .	32	19		1	2	6	2			11	2	1	6	3	4	2	2	1			19	13		
OTHER LOCAL DISEASES . . . . .	108	111	12	5	12	4	3	2		38	5	4	10	7	7	10	15	8	3	1		64	44	
IV. DEVELOPMENTAL.																								
Cyanosis . . . . .	4	5	3	1						4											2	2		
Inanition . . . . .	6	9	4			1	1			6											3	3		
Old Age . . . . .	18	14																5	9	4	7	11		
Premature Birth . . . . .	15	21	15							15											8	7		
Puer'l Diseases (not including Puer'l Fever)	3	1										1	1	1								3		
OTHER DEVELOPMENTAL DISEASES . . . . .	20	29	6	3	1					10						1	4	4	1		9	11		
V. VIOLENT.																								
Accidental . . . . .	43	29	2				1		1	4	7	7	10	5	5	1	2	2			31	12		
Homicidal . . . . .	1	1												1							1			
Suicidal . . . . .	6	7											1	2	1	1		1			4	2		
OTHER VIOLENT CAUSES . . . . .																								
UNKNOWN CAUSES . . . . .	2	4													1			1			2			
TOTAL FROM ALL CAUSES . . . . .	1004	856	109	109	146	80	32	18	13	507	34	47	87	72	68	56	58	51	19	5	535	469		
TOTAL FROM ZYMOTIC DISEASES . . . . .	364	301	50	73	100	46	10	10	10	299	15	7	9	9	9	3	8	3	2		188	176		
“ “ CONSTITUTIONAL DISEASES . . . . .	233	188	11	16	18	10	11	2	1	69	2	21	43	33	27	18	10	9	1		117	116		
“ “ LOCAL do. . . . .	289	247	18	16	27	23	9	6	1	100	10	11	23	21	25	32	34	26	6	1	163	126		
“ “ DEVELOPMENTAL do. . . . .	66	79	28	4	1	1	1			35		1	1	1		1	4	9	10	4	29	37		
“ “ VIOLENT CAUSES . . . . .	50	37	2				1		1	4	7	7	11	8	6	2	2	3			36	14		

## Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of July, 1885, and for the corresponding month in 1884.

CASES REPORTED DURING JULY, 1885.			CASES REPORTED DURING JULY, 1884.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria . . . . .	85	....	Diphtheria . . . . .	50	....
Measles . . . . .	110	....	Measles . . . . .	7	....
Small Pox . . . . .	....	....	Small Pox . . . . .	....	....
Scarlatina . . . . .	85	....	Scarlatina . . . . .	211	....
Typhoid Fever . . . . .	54	....	Typhoid Fever . . . . .	50	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	1



# METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of July, 1885, as reported by OTTO B. COLE, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	29.656	59.3	68.3	W.	.02	Mean Barometer, 29.936.
2	29.702	66.6	51.0	W.	.00	Highest Barometer, 30.218 on 23d.
3	29.833	62.3	79.0	N.W.	.07	Lowest Barometer, 29.603 on 1st.
4	29.669	66.2	74.3	S.W.	.00	Monthly Range of Barometer, 0.615.
5	30.102	66.5	83.3	S.	.00	Mean Temperature, 71.3.
6	30.186	66.0	90.0	E.	*—	Highest Temperature, 92.8 on 21st.
7	30.059	71.3	84.3	S.	.00	Lowest Temperature, 51.4 on 1st.
8	29.976	78.4	66.0	N.W.	.23	Monthly Range of Temperature, 41.4.
9	29.797	79.9	58.7	W.	.22	Greatest Daily Range of Temperature, 24.6 on 17th.
10	29.716	75.0	61.7	N.W.	.06	Least Daily Range of Temperature, 8.1 on 14th.
11	29.949	68.0	65.7	N.W.	.00	Mean Daily Range of Temperature, 16.9.
12	30.078	67.4	51.7	N.	.00	Mean Daily Dew-point, 60.1.
13	29.960	69.4	56.3	W.	.00	Mean Daily Relative Humidity, 69.8.
14	29.783	64.1	91.3	E.	.23	Prevailing Direction of Wind, W.
15	29.872	72.6	61.0	W.	.00	Total Movement of Wind, 5,911 Miles.
16	30.059	71.1	74.0	S.E.	.00	Highest Velocity of Wind and Direction, 34 Miles per hour, S.W.
17	29.999	80.8	68.0	S.	.00	Number of Foggy Days, 0.
18	29.982	79.3	52.3	N.	.00	" Clear " 13.
19	29.991	69.2	70.0	E.	.00	" Fair " 15.
20	29.922	76.1	63.3	S.	.00	Number of Cloudy " 3.
21	29.702	81.3	70.7	W.	.00	Total Number of Days on which Rain or Snow fell, 8.
22	30.019	76.4	55.0	N.	.00	Depth of unmelted Snow on ground at end of month, 0.
23	30.102	70.5	72.3	S.E.	.00	Dates of Auroras, 0.
24	30.045	76.1	74.3	S.W.	*—	Dates of Solar Halos, 0.
25	29.833	80.1	76.0	W.	.18	Dates of Lunar Halos, 0.
26	29.940	77.2	65.3	N.	.00	Thunder Storm, 9th, 26th and 29th.
27	30.121	68.6	64.3	E.	.00	Dates of Frosts, 0.
28	29.977	68.8	64.7	N.W.	.00	
29	29.797	70.2	78.0	S.	.43	
30	29.840	65.6	85.7	N.	.00	
31	29.865	67.3	86.0	E.	.00	
TOTALS .....	29.826	2211.6	2162.5	W.	1.44	
MEANS .....	29.639	71.3	69.8		.046	

\*Inappreciable.

Mean Barometer, 29.936.  
Highest Barometer, 30.218 on 23d.  
Lowest Barometer, 29.603 on 1st.  
Monthly Range of Barometer, 0.615.  
Mean Temperature, 71.3.  
Highest Temperature, 92.8 on 21st.  
Lowest Temperature, 51.4 on 1st.  
Monthly Range of Temperature, 41.4.  
Greatest Daily Range of Temperature, 24.6 on 17th.  
Least Daily Range of Temperature, 8.1 on 14th.  
Mean Daily Range of Temperature, 16.9.  
Mean Daily Dew-point, 60.1.  
Mean Daily Relative Humidity, 69.8.  
Prevailing Direction of Wind, W.  
Total Movement of Wind, 5,911 Miles.  
Highest Velocity of Wind and Direction, 34 Miles per hour, S.W.  
Number of Foggy Days, 0.  
" Clear " 13.  
" Fair " 15.  
Number of Cloudy " 3.  
Total Number of Days on which Rain or Snow fell, 8.  
Depth of unmelted Snow on ground at end of month, 0.  
Dates of Auroras, 0.  
Dates of Solar Halos, 0.  
Dates of Lunar Halos, 0.  
Thunder Storm, 9th, 26th and 29th.  
Dates of Frosts, 0.

## COMPARATIVE TEMPERATURE.

1871 . . . . .	70.8	1879 . . . . .	70.0
1872 . . . . .	74.7	1880 . . . . .	70.1
1873 . . . . .	73.6	1881 . . . . .	68.5
1874 . . . . .	72.8	1882 . . . . .	71.7
1875 . . . . .	71.4	1883 . . . . .	71.3
1876 . . . . .	73.8	1884 . . . . .	68.0
1877 . . . . .	70.1	1885 . . . . .	71.3
1878 . . . . .	72.9		

## COMPARATIVE PRECIPITATIONS.

	Inches.		Inches.
1871 . . . . .	3.24	1879 . . . . .	3.09
1872 . . . . .	4.00	1880 . . . . .	6.86
1873 . . . . .	3.84	1881 . . . . .	2.96
1874 . . . . .	3.47	1882 . . . . .	3.91
1875 . . . . .	3.93	1883 . . . . .	2.73
1876 . . . . .	5.86	1884 . . . . .	4.25
1877 . . . . .	2.27	1885 . . . . .	1.44
1878 . . . . .	4.58		

# OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

## Statement of Mortality for the month of August, 1885.

With an enumeration of the more prominent causes ; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M. D.,  
*Chairman.*

Deaths during the month of August, 1885, . . . . . 852  
Population estimated July 1st, 1883, at 427,940 (106,985 Polls). Rate per 1,000 inhabitants, 23.8

Total number . . . . . 852

### SEX.

Males . . . . . 441

Females . . . . . 411

### CONDITION.

Married . . . . . 225

Single . . . . . 537

Widows . . . . . 62

Widowers . . . . . 17

Unknown . . . . . 11

### COLOR.

White . . . . . 828

Colored . . . . . 24

Total deaths of children { Under 1 year . . . . . 279  
Under 2 years . . . . . 339  
Under 5 years . . . . . 371

Diarrhœal diseases, { Under 5 years . . . . . 155  
All ages . . . . . 188

### NATIVITY.

United States . . . . . 601

Ireland . . . . . 160

England . . . . . 22

Scotland . . . . . 5

Germany . . . . . 11

British America . . . . . 38

Other Countries . . . . . 11

Unknown . . . . . 4

### PARENTAGE.

United States . . . . . 224

Irish . . . . . 312

English . . . . . 26

Scotch . . . . . 10

German . . . . . 28

British American . . . . . 47

Other Countries . . . . . 65

Mixed . . . . . 77

Unknown . . . . . 63

Still-births during the month . . . . . 42

# Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for August, 1885.	Total Mortality for August, 1884.	AGE.																			SEX.		
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM . . . . .	6	7											1	3	1	1						5	1	
CROUP . . . . .	4	2				2	1	1		4												3	1	
CARBUNCLE . . . . .																								
CHOLERA MORBUS . . . . .	9	23					1			1	1	1			1	1	2	2				3	6	
CHOLERA INFANTUM . . . . .	135	179	27	32	53	21	2			135												72	63	
CEREBRO-SPINAL MENINGITIS . . . . .		2																						
CONGESTIVE FEVER . . . . .																								
DIARRHŒA . . . . .	23	31	7	3	4	2		1		17			1				2	3				12	11	
DYSENTERY . . . . .	21	25				1		1		2	2	4	2	1	1	4	1	3	1			8	13	
DIPHTHERIA . . . . .	11	17	1			1	1	1		4	5	1		1								3	8	
ERYSIPELAS . . . . .		2																						
INTERMITTENT FEVER . . . . .																								
INFLUENZA . . . . .																								
MEASLES . . . . .	2				1					1	1											2		
PURPURA . . . . .																								
PUERPERAL FEVER. . . . .	1	1												1									1	
PYŒMIA . . . . .	3											1		1			1					3		
REMITTENT FEVER . . . . .																								
RHEUMATISM . . . . .	1															1							1	
SCARLATINA . . . . .	9	15			1	2	1		2	6	3											4	5	
SMALL POX . . . . .																								
SYPHILIS (CONGENITAL) . . . . .	1				1					1													1	
SYPHILIS . . . . .	2													1		1						1	1	
SEPTICŒMIA . . . . .	2										1			1								2		
TONSILLITIS, . . . . .																								
TYPHOID FEVER. . . . .	14	25										2	8	2		1	1					8	6	
TYPHUS FEVER . . . . .																								
WHOOPING COUGH . . . . .	1	45		1						1													1	
YELLOW FEVER . . . . .																								
OTHER ZYMOTIC DISEASES . . . . .	1												1									1		
II. CONSTITUTIONAL.																								
CANCER . . . . .	20	33											3	2	3	6	2	4				5	15	
HYDROCEPHALUS AND TUBERC. MENINGITIS . . . . .	14	15		1	5	2	5			13	1											7	7	
MAKASMUS, SCROFULA AND TABES MESENTERICA . . . . .	52	43	26	8	13	1	1			49	1					2						27	25	
PHTHISIS PULMONALIS . . . . .	123	108				3			1	4		16	34	29	16	11	9	3	1			59	64	
OTHER CONSTITUTIONAL DISEASES . . . . .	11	11									1	1	2	2	3	1	1					6	5	



of August, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for August, 1885.	Total Mortality for August, 1884.	AGE.																			SEX.		
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
III. LOCAL.																								
Apoplexy . . . . .	13	18												2		3	3	4	1			6	7	
Bright's Disease . . . . .	13	14				1				1	1		1	2	2	2	1	3				4	9	
Bronchitis . . . . .	13	16	1	1	1	6	1	1		11					1			1				8	5	
Heart Disease . . . . .	44	39			1					1	2		2	6	7	13	5	6				20	24	
Meningitis . . . . .	18	24	2	3	5	3		1	2	16			1			1						10	8	
Nephritis . . . . .	12	7											2	3	2	3	1	1				10	2	
Pleurisy . . . . .	1	2															1					1		
Pneumonia . . . . .	17	21	1	1	1	3	2	1		9				3		3	1		1			8	9	
Other Local Diseases . . . . .	136	108	21	2	13	8	3	1		48	1	7	8	14	13	16	12	12	5			76	60	
IV. DEVELOPMENTAL.																								
Cyanosis . . . . .	3	3	2	1						3												2	1	
Inanition . . . . .	6	13	5	1						6												3	3	
Old Age . . . . .	21	22																5	14	2		7	14	
Premature Birth . . . . .	14	7	13	1						14												8	6	
Puer'l Diseases (not including Puerp'l Fever)	7												4	2	1									
Other Developmental Diseases . . . . .	27	20	16		2	1	1			20				1	2		2	1	1			15	12	
V. VIOLENT.																								
Accidental . . . . .	34	32	1			3				4	5	2	7	2	4	4	3	2	1			26	8	
Homicidal . . . . .	1													1								1		
Suicidal . . . . .	4	2											2			2						3	1	
Other Violent Causes . . . . .																								
Unknown Causes . . . . .	2															2						2		
TOTAL FROM ALL CAUSES . . . . .	852	938	123	55	101	60	19	8	5	371	25	37	79	80	58	77	48	50	25	2		441	411	
TOTAL FROM ZYMOTIC DISEASES . . . . .			246	375	35	36	60	29	6	4	2	172	13	9	13	11	4	8	7	8	1		127	119
“ “ Constitutional Diseases . . . . .	220	215	26	9	18	6	6		1	66	3	17	39	33	22	20	12	7	1			104	116	
“ “ LOCAL do. . . . .	267	249	25	7	21	21	6	4	2	86	4	9	14	30	25	41	24	27	7			143	124	
“ “ DEVELOPMENTAL do. . . . .	78	65	36	3	2	1	1			43			4	3	3		2	6	15	2		35	43	
“ “ VIOLENT CAUSES . . . . .	39	34	1			3				4	5	2	9	3	4	6	3	2	1			30	9	

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of August, 1885, and for the corresponding month in 1884.

CASES REPORTED DURING AUGUST, 1885.			CASES REPORTED DURING AUGUST, 1884.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria . . . . .	54	....	Diphtheria . . . . .	61	....
Measles . . . . .	33	....	Measles . . . . .	6	....
Small Pox . . . . .	....	....	Small Pox . . . . .	....	....
Scarlatina . . . . .	56	....	Scarlatina . . . . .	209	....
Typhoid Fever . . . . .	111	....	Typhoid Fever . . . . .	115	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

# METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of August, 1885, as reported by OTTO B. COLE, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	29.894	67.5	92.3	E.	2.53	Mean Barometer, 29.945.
2	29.992	66.6	86.7	E.	.00	Highest Barometer, 30.255 on 17th.
3	30.000	67.4	88.0	S.E.	.01	Lowest Barometer, 29.599 on 14th.
4	29.722	75.6	84.7	W.	.86	Monthly Range of Barometer, 0.656.
5	29.857	72.7	62.3	N.W.	.02	Mean Temperature, 67.4.
6	30.040	63.9	75.3	N.E.	.00	Highest Temperature, 88.8 on 14th.
7	30.063	64.6	77.0	E.	.00	Lowest Temperature, 47.2 on 28th.
8	30.132	65.6	78.7	S.E.	.00	Monthly Range of Temperature, 41.6.
9	30.146	65.2	81.7	S.W.	.00	Greatest Daily Range of Temperature, 21.5 on 24th.
10	30.078	70.5	78.0	S.W.	.00	Least Daily Range of Temperature, 5.7 on 30th.
11	30.051	74.0	81.3	W.	*—	Mean Daily Range of Temperature, 14.5.
12	29.987	78.5	76.0	S.W.	.00	Mean Daily Dew-point, 58.8.
13	29.778	78.4	78.0	S.W.	.01	Mean Daily Relative Humidity, 75.6.
14	29.667	77.5	71.3	W.	*—	Prevailing Direction of Wind, S.W.
15	29.922	62.4	71.3	N.S.E. N.W.	.00	Total Movement of Wind, 7,431 Miles.
16	30.167	65.3	61.0	N.E.	.00	Highest Velocity of Wind and Direction, 33 Miles per hour, S., on 4th.
17	30.166	68.1	58.7	S.W.	.00	Number of Foggy Days, 0.
18	29.894	73.4	67.3	W.	.00	“ Clear “ 3.
19	29.697	71.7	73.3	W.	.08	“ Fair “ 22.
20	29.894	65.2	65.3	N.	.00	Number of Cloudy “ 6.
21	30.093	69.6	73.0	S. W.	.00	Total Number of Days on which Rain or Snow fell, 14.
22	29.924	74.1	77.0	W., N.W.	.97	Depth of unmelted Snow on ground at end of month, 0.
23	29.861	68.1	69.3	S.E., W., N.W.	.09	Dates of Auroras, 0.
24	29.697	73.7	88.0	S. W.	.56	Dates of Solar Halos, 0.
25	29.803	58.3	93.3	N.	1.25	Dates of Lunar Halos, 0.
26	29.806	56.3	67.0	N.W.	.00	Thunder Storm, 0.
27	30.052	57.1	63.3	N.W.	.00	Dates of Frosts, 0.
28	30.076	59.0	60.3	W.	.00	
29	30.117	60.0	65.0	S.W.	.00	
30	29.939	58.7	91.3	S.E.	1.21	
31	29.793	59.7	94.7	S.E.	.05	
TOTALS .....	928.308	2088.7	2355.4		7.64	
MEANS .....	29.945	67.4	76.0			

\*Inappreciable.

COMPARATIVE TEMPERATURE.		
1871 . . . . .	71.7	1879 . . . . . 68.1
1872 . . . . .	72.4	1880 . . . . . 68.9
1873 . . . . .	68.9	1881 . . . . . 69.5
1874 . . . . .	68.1	1882 . . . . . 69.7
1875 . . . . .	70.6	1883 . . . . . 69.6
1876 . . . . .	69.8	1884 . . . . . 68.3
1877 . . . . .	71.0	1885 . . . . . 67.4
1878 . . . . .	67.8	

COMPARATIVE PRECIPITATIONS.		
	Inches.	Inches.
1871 . . . . .	3.06	1879 . . . . . 6.71
1872 . . . . .	10.68	1880 . . . . . 2.90
1873 . . . . .	6.21	1881 . . . . . 1.23
1874 . . . . .	6.67	1882 . . . . . 1.46
1875 . . . . .	3.50	1883 . . . . . .39
1876 . . . . .	1.23	1884 . . . . . 5.01
1877 . . . . .	4.49	1885 . . . . . 7.64
1878 . . . . .	7.66	

# OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

## Statement of Mortality for the month of September, 1885.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M. D.,  
*Chairman.*

Deaths during the month of September, 1885, . . . . . 736  
Population estimated July 1st, 1883, at 427,940 (106,985 Polls). Rate per 1,000 inhabitants, 20.6

Total number . . . . . 736

### SEX.

Males . . . . . 375

Females . . . . . 361

### CONDITION.

Married . . . . . 218

Single . . . . . 432

Widows . . . . . 64

Widowers . . . . . 16

Unknown . . . . . 6

### COLOR.

White . . . . . 718

Colored . . . . . 18

Total deaths of children { Under 1 year . . . . . 198  
Under 2 years . . . . . 232  
Under 5 years . . . . . 271

Diarrhœal diseases, { Under 5 years . . . . . 72  
All ages . . . . . 90

### NATIVITY.

United States . . . . . 493

Ireland . . . . . 157

England . . . . . 10

Scotland . . . . . 3

Germany . . . . . 13

British America . . . . . 36

Other Countries . . . . . 12

Unknown . . . . . 12

### PARENTAGE.

United States . . . . . 172

Irish . . . . . 297

English . . . . . 25

Scotch . . . . . 3

German . . . . . 30

British American . . . . . 33

Other Countries . . . . . 54

Mixed . . . . . 55

Unknown . . . . . 67

Still-births during the month . . . . . 48



# Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for September, 1885.	Total Mortality for September, 1884.	AGE.																			SEX.	
																						Males.	Females.
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.		
I. ZYMOTICS.																							
ALCOHOLISM . . . . .	4	6											3	1								1	3
CROUP . . . . .	4	17			2		1		3	1												4	
CARBUNCLE . . . . .	1	1														1						1	
CHOLERA MORBUS . . . . .	4	9												3			1					2	2
CHOLERA INFANTUM . . . . .	57	117	21	13	16	5		1	56	1												26	31
CEREBRO-SPINAL MENINGITIS . . . . .	2	1				1			1		1											1	1
CONGESTIVE FEVER . . . . .																							
DIARRHŒA . . . . .	17	39	5	1	2	4			12			1				1	2			1		9	8
DYSENTERY . . . . .	12	9	1	1		1		1	4	1			1	2	2	1			1			3	9
DIPHTHERIA . . . . .	18	24			1	1		3	4	9	7	2										6	12
ERYSIPELAS . . . . .	1	1											1									1	
INTERMITTENT FEVER . . . . .																							
INFLUENZA . . . . .																							
MEASLES . . . . .	3	1			2				2			1										2	1
PURPURA . . . . .																							
PUERPERAL FEVER . . . . .		4																					
PYŒMIA . . . . .		2																					
REMITTENT FEVER . . . . .	1											1											1
RHEUMATISM . . . . .	2	6									1					1						1	1
SCARLATINA . . . . .	5	15				2		2	4	1												3	2
SMALL POX . . . . .	1												1									1	
SYPHILIS (CONGENITAL) . . . . .	2		2						2													1	1
SYPHILIS . . . . .		1																					
SEPTICŒMIA . . . . .	2	3									1	1										1	1
TONSILLITIS, . . . . .		1																					
TYPHOID FEVER . . . . .	27	36				1			1		5	10	5	5	1							15	12
TYPHUS FEVER . . . . .																							
WHOOPING COUGH . . . . .		22																					
YELLOW FEVER . . . . .		1																					
OTHER ZYMOTIC DISEASES . . . . .	1		1						1														1
II. CONSTITUTIONAL.																							
CANCER . . . . .	20	17										1	2	4	3	9	1					7	13
HYDROCEPHALUS AND TUBERC. MENINGITIS . .	15	16	2		2	2	3	1	10	3	2											6	9
MARASMUS, SCROFULA AND TABES MESENTERICA	33	46	12	8	8	2		1	31	1						1						19	14
PHTHISIS PULMONALIS . . . . .	137	142		5	3	2	1	1	12	1	15	27	36	26	10	8	2					70	67
OTHER CONSTITUTIONAL DISEASES . .	6	5								1	1		2			1		1				4	2

# of September, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for September, 1885.	Total Mortality for September, 1884.	AGE.																		SEX.		
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.
III. LOCAL.																							
Apoplexy . . . . .	23	19	1						1				1	2	4	9	5	1				13	10
Bright's Disease . . . . .	10	15					1		1			2		3	2	1	1					5	
Bronchitis . . . . .	32	22	9	2	5	6		1	23	1					1	3	3	1				17	15
Heart Disease . . . . .	34	40										1	1	5	9	10	3	3	2			18	16
Meningitis . . . . .	18	21		4	5	3	3	2	17								1					12	6
Nephritis . . . . .	6	12									1			1	1	3						3	3
Pleurisy . . . . .	2	1														2						1	1
Pneumonia . . . . .	31	25	2		1	1	4	1	1	10	3	2	1	3	5	2	4		1			22	9
Other Local Diseases . . . . .	103	89	16	3	9	3	3		34	4	6	4	11	13	16	10	4	1				51	52
IV. DEVELOPMENTAL.																							
Cyanosis . . . . .	7	9	7						7													5	2
Inanition . . . . .	8	22	7			1			8													3	5
Old Age . . . . .	21	27															9	9	3			8	13
Premature Birth . . . . .	6	8	6						6													3	3
Puer'l Diseases (not including Puer'l Fever)	5	3										2	2	1									5
Other Developmental Diseases . . . . .	21	12	12	1					13		1		2	1	2	1		1				7	14
V. VIOLENT.																							
Accidental . . . . .	26	38		1				1	2	1	1	3	5	3	3	4	4					17	9
Homicidal . . . . .	2	1										1					1					1	1
Suicidal . . . . .	4	2											4									4	
Other Violent Causes . . . . .																							
Unknown Causes . . . . .	2	4		1					1							1						1	1
TOTAL FROM ALL CAUSES . . . . .	736	931	104	40	54	34	18	12	9	271	26	39	56	80	75	58	72	34	19	6		375	361
TOTAL FROM ZYMOTIC DISEASES . . . . .	164	335	30	15	21	14	3	6	6	95	11	10	14	11	11	5	4	1	1	1		73	86
“ “ CONSTITUTIONAL DISEASES . . . . .	211	226	14	13	13	6	4	2	1	53	6	18	28	40	30	13	19	3	1			106	105
“ “ LOCAL do. . . . .	259	244	28	9	20	13	11	4	1	86	8	9	8	16	29	35	43	16	7	2		142	117
“ “ DEVELOPMENTAL do. . . . .	68	81	32	1		1				34		1	2	4	2	2	1	9	10	3		26	42
“ “ VIOLENT CAUSES . . . . .	32	41		1					1	2	1	1	4	9	3	3	4	5				22	10

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of September, 1885, and for the corresponding month in 1884.

CASES REPORTED DURING SEPTEMBER, 1885.			CASES REPORTED DURING SEPTEMBER, 1884.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria . . . . .	64	....	Diphtheria . . . . .	75	....
Measles . . . . .	14	....	Measles . . . . .	....	....
Small Pox . . . . .	....	1	Small Pox . . . . .	....	....
Scarlatina . . . . .	87	....	Scarlatina . . . . .	175	....
Typhoid Fever . . . . .	209	....	Typhoid Fever . . . . .	169	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	4	Yellow Fever . . . . .	....	1

# METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of Sept., 1885, as reported by OTTO B. COLE, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	29.809	65.7	70.7	W.	.01	Mean Barometer, 30.019.
2	30.045	58.0	43.7	W. & N.W.	.00	Highest Barometer, 30.385 on 26th.
3	30.134	61.2	60.3	S.W.	.00	Lowest Barometer, 29.173 on 23d.
4	29.949	68.9	81.0	S.W.	.17	Monthly Range of Barometer, 1.207.
5	29.924	62.6	75.3	N.	.10	Mean Temperature, 59.5.
6	30.109	58.4	61.3	W.	.00	Highest Temperature, 84.3 on 14th.
7	30.189	58.6	70.3	S.W.	.00	Lowest Temperature, 38.7 on 24th.
8	30.078	59.8	74.7	W.	*	Monthly Range of Temperature, 45.6.
9	29.701	56.9	97.3	E.	.88	Greatest Daily Range of Temperature, 27.4 on 9th.
10	30.063	51.4	73.3	N.	.03	Least Daily Range of Temperature, 5.6 on 28th.
11	30.231	53.6	67.7	E.	.00	Mean Daily Range of Temperature, 18.1.
12	30.173	57.0	72.0	W. & S.E.	.00	Mean Daily Dew-point, 49.5.
13	30.022	62.1	82.0	W.	.00	Mean Daily Relative Humidity, 71.1.
14	29.812	73.5	74.0	S.W.	.00	Prevailing Direction of Wind, W.
15	29.794	73.2	68.3	W.	.00	Total Movement of Wind, 6,977 Miles.
16	29.910	62.4	61.7	N.W.	.00	Highest Velocity of Wind and Direction, 37 Miles per hour, N.W., on 23c.
17	30.226	59.1	60.3	N.W.	.00	Number of Foggy Days, 0.
18	30.072	67.2	65.7	W.	.00	" Clear " 14.
19	30.010	65.8	62.0	W.	.00	" Fair " 12.
20	30.247	63.8	65.7	N.	.00	Number of Cloudy " 4.
21	30.128	67.1	66.0	W. & S.W.	.00	Total Number of Days on which Rain or Snow fell, 9.
22	29.607	61.3	83.0	S.W.	.26	Depth of unmelted Snow on ground at end of month, 0.
23	29.448	46.2	69.7	N.W.	.25	Dates of Auroras, 0.
24	29.861	51.5	62.3	W.	.00	Dates of Solar Halos, 0.
25	30.237	52.0	72.7	S. W.	.00	Dates of Lunar Halos, 21st.
26	30.278	59.8	74.0	S. W.	.00	Thunder Storm, 0.
27	30.151	59.1	84.7	S.E.	.00	Dates of Frosts, 24th.
28	30.181	56.7	89.2	N	*—	
29	30.146	57.9	73.0	N.E.	.00	
30	30.025	55.5	69.7	N.W.	.00	
TOTALS.....	900.561	1786.3	2131.7		1.70	
MEANS .. ....	30.019	59.5	81.1	W.		

COMPARATIVE TEMPERATURE.			
1871 . . . . .	59.3	1879 . . . . .	60.7
1872 . . . . .	63.9	1880 . . . . .	64.1
1873 . . . . .	62.4	1881 . . . . .	65.7
1874 . . . . .	64.3	1882 . . . . .	62.7
1875 . . . . .	59.3	1883 . . . . .	59.3
1876 . . . . .	58.8	1884 . . . . .	65.8
1877 . . . . .	63.9	1885 . . . . .	59.5
1878 . . . . .	63.1		

COMPARATIVE PRECIPITATIONS.			
Inches.		Inches.	
1871 . . . . .	1.30	1879 . . . . .	1.84
1872 . . . . .	6.04	1880 . . . . .	2.30
1873 . . . . .	2.91	1881 . . . . .	2.50
1874 . . . . .	2.05	1882 . . . . .	10.93
1875 . . . . .	3.12	1883 . . . . .	1.50
1876 . . . . .	3.84	1884 . . . . .	0.31
1877 . . . . .	0.61	1885 . . . . .	1.70
1878 . . . . .	3.47		

\* Inappreciable.



# OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

## Statement of Mortality for the month of October, 1885

With an enumeration of the more prominent causes ; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M. D.,  
*Chairman.*

Deaths during the month of October, 1885, . . . . . 703  
Population estimated July 1st, 1883, at 427,940 (106.985 Polls). Rate per 1,000 inhabitants, 19.7

Total number . . . . .	703	NATIVITY.	
SEX.		United States . . . . .	465
Males . . . . .	349	Ireland . . . . .	139
Females . . . . .	354	England . . . . .	16
CONDITION.		Scotland . . . . .	5
Married . . . . .	221	Germany . . . . .	12
Single . . . . .	407	British America . . . . .	38
Widows . . . . .	48	Other Countries . . . . .	13
Widowers . . . . .	18	Unknown . . . . .	15
Unknown . . . . .	9	PARENTAGE.	
COLOR.		United States . . . . .	182
White . . . . .	685	Irish . . . . .	259
Colored . . . . .	18	English . . . . .	24
Total deaths of children	Under 1 year . . . . .	Scotch . . . . .	9
	Under 2 years . . . . .	German . . . . .	22
	Under 5 years . . . . .	British American . . . . .	34
Diarrhœal diseases,	Under 5 years . . . . .	Other Countries . . . . .	49
	All ages . . . . .	Mixed . . . . .	53
		Unknown . . . . .	71
		Still-births during the month . . . . .	38

# Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for October, 1885.	Total Mortality for October, 1884.	AGE.																	SEX.				
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM . . . . .	6	4																				6		
CROUP . . . . .	6	16			1	1	1	1	1	5	1											4	2	
CARBUNCLE . . . . .																								
CHOLERA MORBUS . . . . .		5																						
CHOLERA INFANTUM . . . . .	16	37	4	2	4	6				16												8	8	
CEREBRO-SPINAL MENINGITIS . . . . .	2	1		1	1					2												1	1	
CONGESTIVE FEVER . . . . .																								
DIARRHŒA . . . . .	13	20	8		1	2				11					1		1					6	7	
DYSENTERY . . . . .	1	6				1				1													1	
DIPHTHERIA . . . . .	30	49	1			5	4	7	6	23	7											14	16	
ERYSIPELAS . . . . .	1	3																	1				1	
INTERMITTENT FEVER . . . . .																								
INFLUENZA . . . . .																								
MEASLES . . . . .	4	1	1		3					4												2	2	
PURPURA . . . . .																								
PUERPERAL FEVER . . . . .		2																						
PYŒMIA . . . . .		4																						
REMITTENT FEVER . . . . .																								
RHEUMATISM . . . . .	5	2									2		1				2					2	3	
SCARLATINA . . . . .	10	16			1	3	1		1	6	4											8	2	
SMALL POX . . . . .																								
SYPHILIS (CONGENITAL) . . . . .	4	2	3		1					4													4	
SYPHILIS . . . . .																								
SEPTICEMIA . . . . .	4	1												2	1		1					1	3	
TONSILLITIS . . . . .																								
TYPHOID FEVER . . . . .	24	36									2	5	10	4	2	1						10	14	
TYPHUS FEVER . . . . .																								
WHOOPING COUGH . . . . .	2	19		1			1			2												2		
YELLOW FEVER . . . . .	1												1									1		
OTHER ZYMOTIC DISEASES . . . . .		1																						
II. CONSTITUTIONAL.																								
CANCER . . . . .	27	27											3	4	5	6	4	3	2			11	16	
HYDROCEPHALUS AND TUBERC. MENINGITIS . .	21	17		2	4	2	3	3	1	15	4	1			1							13	8	
MARASMUS, SCROFULA AND TABES MESENTERICA	32	38	13	4	8	3	2			30	1						1					9	23	
PHTHISIS PULMONALIS . . . . .	110	133			2					2	1	12	39	20	14	12	7	3				42	63	
OTHER CONSTITUTIONAL DISEASES . .	9	7		1	1	1				3			2	2		1	1					6	3	

# of October, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for October, 1885.	Total Mortality for October, 1884.	AGE.																			SEX.		
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
III. LOCAL.																								
APOPLEXY . . . . .	21	12											1	1	3	2	7	4	3				15	6
BRIGHT'S DISEASE . . . . .	16	17											3	1	5	3	2	2				11		
BRONCHITIS . . . . .	29	26	4	1	7	6	3	1		22				2	1	2		1	1			10	19	
HEART DISEASE . . . . .	41	49										6	3	3	3	14	5	5	2			19	22	
MENINGITIS . . . . .	18	17	2	1	3	4	3			13	1	1	1		1			1				8	10	
NEPHRITIS . . . . .	7	3												3	2	1		1				6	2	
PLEURISY . . . . .	2	1						1		1								1				1	1	
PNEUMONIA . . . . .	33	51	3	1	1	3		2		10	1	1		3	2	3	11	2				17	16	
OTHER LOCAL DISEASES . . . . .	110	102	16	5	9	5	2	2		39	2	1	8	11	11	12	9	16		1		65	55	
IV. DEVELOPMENTAL.																								
CYANOSIS . . . . .	5	2	2	1		1				4		1										3	2	
INANITION . . . . .	4	8	4							4												1	3	
OLD AGE . . . . .	17	30																6	8	2	1	10	7	
PREMATURE BIRTH . . . . .	15	12	15							15												8	7	
PUERP'L DISEASES (not including Puerp'l Fever)	3	2											2		1								3	
OTHER DEVELOPMENTAL DISEASES . . . . .	15	21	8	1		1				10					1	1	2	1				9	6	
V. VIOLENT.																								
ACCIDENTAL . . . . .	32	21	1				2	1		4		4	8	5	2	3	3	1	2			26	6	
HOMICIDAL . . . . .	1	1													1							1		
SUICIDAL . . . . .	3	6											2		1							1	2	
OTHER VIOLENT CAUSES . . . . .																								
UNKNOWN CAUSES . . . . .	3	4	2			1				3												3		
TOTAL FROM ALL CAUSES . . . . .	703	838	87	21	47	45	22	18	9	249	26	32	87	61	60	62	55	48	19	3	1	349	354	
TOTAL FROM ZYMOTIC DISEASES . . . . .	129	225	17	4	12	18	7	8	8	74	16	5	15	6	6	2	4		1			65	64	
“ “ CONSTITUTIONAL DISEASES . . . . .	199	227	13	7	15	6	5	3	1	50	6	13	44	26	20	19	12	7	2			81	118	
“ “ LOCAL do. . . . .	277	281	25	8	20	18	8	6		85	4	9	16	24	23	37	34	33	6	1		141	136	
“ “ DEVELOPMENTAL do. . . . .	59	73	29	2		2				33		1	2		2	1	2	7	8	2	1	31	28	
“ “ VIOLENT CAUSES . . . . .	36	28	1				2	1		4		4	10	5	4	3	3	1	2			28	8	

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of October, 1885, and for the corresponding month in 1884.

CASES REPORTED DURING OCTOBER, 1885.			CASES REPORTED DURING OCTOBER, 1884.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria . . . . .	123	....	Diphtheria . . . . .	132	....
Measles . . . . .	7	....	Measles . . . . .	34	....
Small Pox . . . . .	1	....	Small Pox . . . . .	....	....
Scarlatina . . . . .	153	....	Scarlatina . . . . .	241	....
Typhoid Fever . . . . .	117	....	Typhoid Fever . . . . .	256	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....



# METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of Oct., 1885, as reported by OTTO B. COLE, Sergeant Signal Corps. U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	30.099	55.3	78.0	E.	.00	Mean Barometer, 30.014.
2	30.036	55.1	96.0	E.	.02	Highest Barometer, 30.350 on 8th.
3	29.747	61.6	96.3	E.	1.48	Lowest Barometer, 29.215 on 30th.
4	29.651	62.3	81.7	S.W.	.14	Monthly Range of Barometer, 1.135.
5	29.993	51.7	61.0	W.	.00	Mean Temperature, 51.1.
6	30.048	47.1	79.3	N.W.	.60	Highest Temperature, 73.4 on 4th.
7	30.151	42.8	56.0	N.W.	.00	Lowest Temperature, 32.9 on 31st.
8	30.308	43.8	62.0	E.	.00	Monthly Range of Temperature, 40.5.
9	30.210	43.8	69.3	N.	.00	Greatest Daily Range of Temperature, 24.7 on 4th.
10	30.149	52.6	62.0	W.	.00	Least Daily Range of Temperature, 5.8 on 29th.
11	30.190	51.7	66.0	N.W.	.00	Mean Daily Range of Temperature, 14.8.
12	30.287	44.8	58.7	E.	.00	Mean Daily Dew-point, 43.8.
13	30.023	50.2	92.0	E.	1.55	Mean Daily Relative Humidity, 77.8.
14	29.630	58.1	83.0	E.	.43	Prevailing Direction of Wind, W.
15	29.702	54.4	66.7	W.	.00	Total Movement of Wind, 7,395 Miles.
16	29.852	49.6	75.0	W.	.00	Highest Velocity of Wind and Direction, 40 Miles per hour, E., on 13th.
17	30.058	49.7	84.7	S.	.00	Number of Foggy Days, 1.
18	30.067	58.9	79.3	S.W.	.00	“ Clear “ 15.
19	30.165	56.6	89.7	S. W.	.00	“ Fair “ 11.
20	30.215	60.6	79.7	S.	.00	Number of Cloudy “ 5.
21	29.923	62.9	83.3	S.	.18	Total Number of Days on which Rain or Snow fell, 11.
22	29.995	47.5	68.3	N.W.	.06	Depth of unmelted Snow on ground at end of month, 0.
23	30.100	46.4	75.0	N.W.	.00	Dates of Auroras, 0.
24	30.189	43.8	84.7	S. W.	.00	Dates of Solar Halos, 0.
25	30.244	45.1	79.3	S.E.	.00	Dates of Lunar Halos, 12th and 27th.
26	30.135	46.9	85.7	S.W.	.00	Thunder Storm, 0.
27	30.035	55.6	75.3	W.	.00	Dates of Frosts, 7th, 10th, 12th, 16th and 25th.
28	30.101	50.2	95.7	E.	*—	
29	29.706	50.0	97.3	E.	.06	
30	29.406	45.0	92.0	N.	.29	
31	29.998	37.7	68.3	N.	.00	
TOTALS .....	930.445	1583.8	2411.3		5.71	
MEANS .....	30.014	51.1	77.8			

\*Inappreciable.

COMPARATIVE TEMPERATURE.			
1871 . . . . .	54.0	1879 . . . . .	56.6
1872 . . . . .	51.7	1880 . . . . .	50.9
1873 . . . . .	52.8	1881 . . . . .	53.3
1874 . . . . .	53.1	1882 . . . . .	54.6
1875 . . . . .	49.2	1883 . . . . .	47.4
1876 . . . . .	47.8	1884 . . . . .	52.3
1877 . . . . .	50.8	1885 . . . . .	51.1
1878 . . . . .	54.9		

COMPARATIVE PRECIPITATIONS.			
	Inches.		Inches.
1871 . . . . .	4.22	1879 . . . . .	0.91
1872 . . . . .	4.85	1880 . . . . .	3.15
1873 . . . . .	5.33	1881 . . . . .	2.84
1874 . . . . .	1.39	1882 . . . . .	2.29
1875 . . . . .	2.55	1883 . . . . .	6.40
1876 . . . . .	1.66	1884 . . . . .	3.17
1877 . . . . .	8.84	1885 . . . . .	5.71
1878 . . . . .	6.76		

# OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

## Statement of Mortality for the month of November, 1885.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M. D.,  
*Chairman.*

Deaths during the month of November, 1885, . . . . . 664  
Population estimated July 1st, 1883, at 427,940 (106.985 Polls). Rate per 1,000 inhabitants, 18.6

Total number . . . . .	664	NATIVITY.	
SEX.		United States . . . . .	437
Males . . . . .	327	Ireland . . . . .	132
Females . . . . .	337	England . . . . .	15
CONDITION.		Scotland . . . . .	3
Married . . . . .	229	Germany . . . . .	14
Single . . . . .	346	British America . . . . .	42
Widows . . . . .	67	Other Countries . . . . .	12
Widowers . . . . .	14	Unknown . . . . .	9
Unknown . . . . .	8	PARENTAGE.	
COLOR.		United States . . . . .	182
White . . . . .	647	Irish . . . . .	237
Colored . . . . .	17	English . . . . .	17
Total deaths of children	Under 1 year . . . . .	Scotch . . . . .	5
	Under 2 years . . . . .	German . . . . .	27
	Under 5 years . . . . .	British American . . . . .	38
Diarrhœal diseases,	Under 5 years . . . . .	Other Countries . . . . .	50
	All ages . . . . .	Mixed . . . . .	57
		Unknown . . . . .	51
		Still-births during the month . . . . .	44

# Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for November, 1885.	Total Mortality for November, 1884.	AGE.																		SEX.			
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM . . . . .	8	8											2	4	2								7	1
CROUP . . . . .	13	13				4	3	1	2	10	2	1										6	7	
CARBUNCLE . . . . .																								
CHOLERA MORBUS . . . . .																								
CHOLERA INFANTUM . . . . .	3	3	1		2					3												1	2	
CEREBRO-SPINAL MENINGITIS . . . . .		3																						
CONGESTIVE FEVER . . . . .																								
DIARRHŒA . . . . .	15	15	6	3	1	1	2			13							1	1				8	7	
DYSENTERY . . . . .	3		1			1	1			3													3	
DIPHTHERIA . . . . .	35	40		1	3	6	2	4	4	20	9	5			1							19	16	
ERYSIPELAS . . . . .	2	3				1				1							1					2		
INTERMITTENT FEVER . . . . .																								
INFLUENZA . . . . .																								
MEASLES . . . . .	1	2									1												1	
PURPURA . . . . .		1																						
PUERPERAL FEVER. . . . .		1																						
PYŒMIA . . . . .	1	1															1						1	
REMITTENT FEVER . . . . .																								
RHEUMATISM . . . . .	3	3											1				2					3		
SCARLATINA . . . . .	9	19				1	3		2	6	3											4	5	
SMALL POX . . . . .																								
SYPHILIS (CONGENITAL) . . . . .		1																						
SYPHILIS . . . . .	2													1	1							1	1	
SEPTICŒMIA . . . . .	2	2											2									1	1	
TONSILLITIS. . . . .																								
TYPHOID FEVER. . . . .	9	26											3	3	1	1	1					6	3	
TYPHUS FEVER . . . . .																								
WHOOPING COUGH . . . . .		9																						
YELLOW FEVER . . . . .																								
OTHER ZYMOTIC DISEASES . . . . .	2		1	1						2													2	
II. CONSTITUTIONAL.																								
CANCER . . . . .	29	21												4	8	10	4	2	1			9	20	
HYDROCEPHALUS AND TUBERC. MENINGITIS . . . . .	18	13	1	1	5	1	2	2	1	13	1	1	1	2								12	6	
MARASMUS, SCROFULA AND TABES MESENTERICA . . . . .	17	18	9	2		4	1			16							1					13	4	
PHTHISIS PULMONALIS . . . . .	134	132	2	2	1	1	1			7		17	38	28	20	11	12		1			58	76	
OTHER CONSTITUTIONAL DISEASES . . . . .	10	15	2	1		1				4	1	1	3		1							1	9	

of November, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	AGE.																				SEX.			
	Total Mortality for November, 1885.	Total Mortality for November, 1884.																			Males.	Females.		
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.			100 years and over.	
III. LOCAL.																								
Apoplexy . . . . .	17	15												4	3	5	4	1			5	12		
Bright's Disease . . . . .	14	8												1	5	4	4				9	5		
Bronchitis . . . . .	28	64	5	5	6	7			23					2		1		2			18	10		
Heart Disease . . . . .	51	44				1		1	2	1	1	3	6	5	5	19	5	4			27	24		
Meningitis . . . . .	23	12	3	5	5	4			17	1	1		1		3						15	8		
Nephritis . . . . .	5	13												1	1	2		1			4	1		
Pleurisy . . . . .	2	2												1		1					1	1		
Pneumonia . . . . .	46	107		2	2	3	1	2	10	1	1	4	10	6	5	4	3	1	1		18	28		
OTHER LOCAL DISEASES . . . . .	85	89	15	3	9	1			1	29	1	3	5	6	5	10	14	10	2		42	43		
IV. DEVELOPMENTAL.																								
Cyanosis . . . . .	3	3	3						3												2	1		
Inanition . . . . .		5																						
Old Age . . . . .	18	30															1	7	9	1	2	16		
Premature Birth . . . . .	10	11	10						10												6	4		
Puerp'l Diseases (not including Puerp'l Fever)	4	6											2	1	1							4		
OTHER DEVELOPMENTAL DISEASES . . . . .	14	26	10						10					1			2	1			5	9		
V. VIOLENT.																								
Accidental . . . . .	20	33	1			1			2	1	2	6	2	3	3			1			17	3		
Homicidal . . . . .	1	1													1							1		
Suicidal . . . . .	3												2		1						2	1		
OTHER VIOLENT CAUSES . . . . .	2		2						2												3			
UNKNOWN CAUSES . . . . .	2	1				1			1							1					1	1		
TOTAL FROM ALL CAUSES . . . . .	664	819	72	26	34	37	18	10	10	207	22	33	72	78	61	60	68	39	22	2	327	337		
TOTAL FROM ZYMOTIC DISEASES . . . . .	108	150	9	5	6	14	11	5	8	58	15	6	8	8	5	1	1	5	1		58	50		
“ “ CONSTITUTIONAL DISEASES . . . . .	208	199	14	6	6	7	4	2	1	40	2	19	42	34	29	21	17	2	2		93	115		
“ “ LOCAL do. . . . .	271	354	23	15	22	16	1	3	1	81	4	6	12	32	22	34	46	24	9	1	139	132		
“ “ DEVELOPMENTAL do. . . . .	49	81	23							23			2	2	1		3	8	9	1	15	34		
“ “ VIOLENT CAUSES . . . . .	26	34	3				1			4	1	2	8	2	4	4			1		21	5		

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of November, 1885, and for the corresponding month in 1884.

CASES REPORTED DURING NOVEMBER, 1885.			CASES REPORTED DURING NOVEMBER, 1884.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria . . . . .	119	....	Diphtheria . . . . .	137	....
Measles . . . . .	16	....	Measles . . . . .	47	....
Small Pox . . . . .	1	....	Small Pox . . . . .	....	....
Scarlatina . . . . .	148	....	Scarlatina . . . . .	224	....
Typhoid Fever . . . . .	64	....	Typhoid Fever . . . . .	115	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....



# METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of Nov., 1885, as reported by OTTO B. COLE, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	30.310	37.2	72.0	N.	.00	Mean Barometer, 29.894.
2	29.683	50.1	82.7	S.E.	.69	Highest Barometer, 30.403 on 1st.
3	29.736	42.7	70.0	W.	.00	Lowest Barometer, 29.466 on 25th.
4	29.984	44.0	68.3	W.	.00	Monthly Range of Barometer, .937.
5	30.038	56.3	74.0	S.W.	.00	Mean Temperature, 43.7.
6	30.109	57.9	95.0	E.	.03	Highest Temperature, 63.8 on 18th.
7	30.073	54.5	97.3	N.E.	.51	Lowest Temperature, 23.3 on 28th.
8	29.874	60.8	95.7	S.W.	.50	Monthly Range of Temperature, 45.5.
9	29.656	53.5	79.0	N.W. and W.	.22	Greatest Daily Range of Temperature, 25.0 on 5th.
10	29.679	44.3	65.3	N.W. and W.	.00	Least Daily Range of Temperature, 4.7 on 24th.
11	29.802	48.0	52.0	W.	.00	Mean Daily Range of Temperature, 13.6.
12	29.750	58.6	54.7	W.	.00	Mean Daily Dew-point, 35.6.
13	29.718	58.0	75.7	S.W.	.00	Mean Daily Relative Humidity, 74.6%.
14	29.714	45.9	78.7	W.	.00	Prevailing Direction of Wind, W.
15	29.699	39.9	49.7	W.	.00	Total Movement of Wind, 9,332 Miles.
16	29.918	39.9	54.0	W.	.00	Highest Velocity of Wind and Direction, 46 Miles per hour, N.E., on 26th.
17	30.062	44.3	55.3	W.	.00	Number of Foggy Days, 0.
18	29.923	48.5	67.3	S. W.	.00	“ Clear “ 9.
19	29.634	45.3	88.0	N.	.23	“ Fair “ 8.
20	29.825	36.2	66.0	N.W.	.00	Number of Cloudy “ 13.
21	29.772	36.7	78.7	N.	.00	Total Number of Days on which Rain or Snow fell, 13.
22	29.932	36.8	84.3	N.	.05	Depth of unmelted Snow on ground at end of month, 0.
23	29.869	38.6	85.7	N.E.	.62	Dates of Auroras, 9th.
24	29.823	41.0	90.3	E.	.65	Dates of Solar Halos, 0.
25	29.573	42.6	100.0	E.	1.96	Dates of Lunar Halos, 0.
26	29.948	29.7	82.7	N.	.25	Thunder Storm, 0.
27	30.256	30.5	68.3	N.	.00	Dates of Frosts, 3d, 20th, 21st, 27th and 28th.
28	30.193	30.3	67.0	W.	.00	
29	30.140	31.9	61.0	N. and E.	.00	
30	30.136	34.3	80.7	N.E.	.07	
TOTALS .....	896.829	1312.3	2230.4		5.78	
MEANS .....	29.894	43.7	74.6			

COMPARATIVE TEMPERATURE.			
1871 . . . . .	36.6	1879 . . . . .	39.2
1872 . . . . .	39.8	1880 . . . . .	37.1
1873 . . . . .	32.8	1881 . . . . .	42.4
1874 . . . . .	40.6	1882 . . . . .	37.9
1875 . . . . .	34.2	1883 . . . . .	42.5
1876 . . . . .	40.1	1884 . . . . .	41.1
1877 . . . . .	43.2	1885 . . . . .	43.7
1878 . . . . .	39.7		

COMPARATIVE PRECIPITATIONS.			
	Inches.		Inches.
1871 . . . . .	6.42	1879 . . . . .	2.97
1872 . . . . .	3.66	1880 . . . . .	2.30
1873 . . . . .	8.34	1881 . . . . .	3.73
1874 . . . . .	2.85	1882 . . . . .	1.20
1875 . . . . .	5.47	1883 . . . . .	2.08
1876 . . . . .	11.03	1884 . . . . .	3.03
1877 . . . . .	9.62	1885 . . . . .	5.78
1878 . . . . .	8.94		



# Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for December, 1885.	Total Mortality for December, 1884.	AGE.																		SEX.			
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM . . . . .	4	9												2	1			1					4	
CROUP . . . . .	12	20	1	2	3	3	1	1	11	1												5	7	
CARBUNCLE . . . . .		1																						
CHOLERA MORBUS . . . . .		1																						
CHOLERA INFANTUM . . . . .	1	2			1					1												1		
CEREBRO-SPINAL MENINGITIS . . . . .	1	1											1										1	
CONGESTIVE FEVER . . . . .																								
DIARRHŒA . . . . .	12	3	9	1						10							1	1				5	7	
DYSENTERY . . . . .		1																						
DIPHTHERIA . . . . .	32	51			3	8	4	5	2	22	9	1										14	18	
ERYSIPELAS . . . . .	1	3										1										1		
INTERMITTENT FEVER . . . . .	1														1								1	
INFLUENZA . . . . .																								
MEASLES . . . . .	2	5					1		1	2												1	1	
PURPURA . . . . .		3																						
PURPERAL FEVER. . . . .	1	1												1									1	
PYÆMIA . . . . .	2								1	1						1						2		
REMITTENT FEVER . . . . .																								
RHEUMATISM . . . . .	4	5													2		1	1				2	2	
SCARLATINA . . . . .	8	23				1	4	1		6	1		1									4	4	
SMALL POX . . . . .																								
SYPHILIS (CONGENITAL) . . . . .		3																						
SYPHILIS . . . . .		1																						
SEPTICÆMIA . . . . .	4	3										1	1	2								2	2	
TONSILLITIS, . . . . .																								
TYPHOID FEVER. . . . .	9	16							1	1	2	1	1	2			2					5	4	
TYPHUS FEVER . . . . .																								
WHOOPING COUGH . . . . .		5																						
YELLOW FEVER . . . . .																								
OTHER ZYMOTIC DISEASES . . . . .		2																						
II. CONSTITUTIONAL.																								
CANCER . . . . .	19	28										1		2	4	4	3	2	3			3	16	
HYDROCEPHALUS AND TUBERC. MENINGITIS . . . . .	12	15			3	3	3	2		11			1									6	6	
MARASMUS, SCROFULA AND TABES MESENTERICA . . . . .	21	17	12	2	2		1		1	18		1				1		1				12	9	
PHTHISIS PULMONALIS . . . . .	115	125			1	1				2		8	33	22	24	13	6	4	3			59	56	
OTHER CONSTITUTIONAL DISEASES . . . . .	6	14			1					1	1			3				1				3	3	

# of December, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for December, 1885.	Total Mortality for December, 1884.	AGE.																	SEX.				
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 yrs.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
III. LOCAL.																								
Apoplexy . . . . .	24	15	1						1		1		3	3		8	2	5	1			12	12	
Bright's Disease . . . . .	18	16					1		1	1	2	4	1	1	3	1	2	2				8	1	
Bronchitis . . . . .	43	54	8	7	7	6	1	1	1	31	1		1		3	3	2	2				23	20	
Heart Disease . . . . .	44	33	1						1	2	2	2	5	4	3	13	10	2				21	23	
Meningitis . . . . .	14	18	4	2	3	2		1	12					1			1					3	11	
Nephritis . . . . .	17	11										3	1	4	2	5	1	1				7	10	
Pleurisy . . . . .	6	1									1	1		1	1	2							6	
Pneumonia . . . . .	68	135	3	3		7		1	2	16	3		6	3	9	9	7	10	4	1		38	30	
Other Local Diseases . . . . .	76	100	14	4	4	2	4			28	2	1	5	14	6	8	8	2	2			46	30	
IV. DEVELOPMENTAL.																								
Cyanosis . . . . .	7	4	7						7													4	3	
Inanition . . . . .	3	10	3						3													1	2	
Old Age . . . . .	25	32														1	6	12	5	1		6	19	
Premature Birth . . . . .	13	11	13						13													8	5	
Puerp'l Diseases (not including Puerp'l Fever)	2	1									1	1											2	
Other Developmental Diseases . . . . .	14	26	9	2					11							3						6	8	
V. VIOLENT.																								
Accidental . . . . .	16	21		1					1	1	2	1	4	1	5	1						14	2	
Homicidal . . . . .																								
Suicidal . . . . .	7	6									2	2	1	1	1							4	3	
Other Violent Causes . . . . .	1													1								1		
Unknown Causes . . . . .		1																						
TOTAL FROM ALL CAUSES . . . . .	665	853	84	22	28	33	21	13	10	211	23	23	63	68	63	52	69	49	36	7	1	331	334	
TOTAL FROM ZYMOTIC DISEASES . . . . .	94	159	9	2	6	12	12	7	6	54	13	4	4	9	2	2	4	2				46	48	
“ “ CONSTITUTIONAL DISEASES . . . . .	173	199	12	2	7	4	4	2	1	32	1	10	34	27	28	18	9	8	6			83	90	
“ “ LOCAL do. . . . .	310	383	31	16	14	17	5	4	3	90	9	7	20	29	28	29	46	32	18	2		153	152	
“ “ DEVELOPMENTAL do. . . . .	64	84	32	2						34		1	1				4	6	12	5	1	25	39	
“ “ VIOLENT CAUSES . . . . .	24	27			1					1		1	4	3	5	3	6	1				19	5	

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of December, 1885, and for the corresponding month in 1884.

CASES REPORTED DURING DECEMBER, 1885.			CASES REPORTED DURING DECEMBER, 1884.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria . . . . .	111	....	Diphtheria . . . . .	163	....
Measles . . . . .	14	....	Measles . . . . .	124	....
Small Pox . . . . .	1	....	Small Pox . . . . .	....	....
Scarlatina . . . . .	137	....	Scarlatina . . . . .	241	....
Typhoid Fever . . . . .	45	....	Typhoid Fever . . . . .	73	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....



# METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of Dec., 1885, as reported by OTTO B. COLE, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	30.201	27.9	75.7	N.	.07	Mean Barometer, 29.945.
2	29.885	28.4	78.0	N.	.00	Highest Barometer, 30.700 on 12th.
3	29.341	34.8	65.0	N.W.	.01	Lowest Barometer, 29.090 on 5th.
4	29.715	31.5	67.7	W.	.07	Monthly Range of Barometer, 1.610.
5	29.199	39.7	78.0	W.	.11	Mean Temperature, 32.8.
6	29.602	27.3	61.3	W.	.00	Highest Temperature, 61.5 on 9th.
7	29.800	18.1	43.0	W.	.00	Lowest Temperature, 11.8 on 27th.
8	30.256	25.4	63.3	W.	—	Monthly Range of Temperature, 49.7.
9	29.864	56.4	90.0	S.W.	.15	Greatest Daily Range of Temperature, 31.6 on 9th.
10	29.757	52.4	67.7	N.W.	.04	Least Daily Range of Temperature, 6.9 on 17th and 18th.
11	30.204	32.8	59.7	N.W.	.00	Mean Daily Range of Temperature, 16.0.
12	30.639	30.1	63.7	N.W.	.00	Mean Daily Dew-point, 22.8.
13	30.218	40.7	80.0	S.	.40	Mean Daily Relative Humidity, 67.0.
14	29.623	47.9	86.3	S.W.	.23	Prevailing Direction of Wind, W.
15	29.963	30.9	55.3	N.W.	.00	Total Movement of Wind, 10,856 Miles.
16	30.314	31.5	52.0	W.	.00	Highest Velocity of Wind and Direction, 48 Miles per hour, W., on 7th.
17	30.378	25.9	82.0	N.	.22	Number of Foggy Days, 0.
18	30.137	26.1	84.3	N.	.25	“ Clear “ 8.
19	29.566	35.0	79.7	N.W.	.23	“ Fair “ 11.
20	29.769	23.1	57.0	N.W.	.00	Number of Cloudy “ 12.
21	29.894	24.6	69.3	W.	.01	Total Number of Days on which Rain or Snow fell, 17.
22	30.274	29.8	62.3	W.	.00	Depth of unmelted Snow on ground at end of month, 0.
23	29.936	49.8	57.7	S.W.	—	Dates of Auroras, 6th.
24	30.063	36.6	61.0	W.	.00	Dates of Solar Halos, 0.
25	30.393	22.3	59.7	N.E.	.00	Dates of Lunar Halos, 22d.
26	30.170	16.9	58.7	N.	—	Thunder Storm, 0.
27	29.782	19.8	60.3	N.	.03	Dates of Frosts, 2d and 3d.
28	29.531	33.5	51.3	N.W.	.00	
29	29.855	36.2	51.3	N.W.	.00	
30	30.090	37.2	66.7	S. W.	.00	
31	29.845	43.1	90.7	S.E.	.27	
TOTALS.....	928.304	1015.7	2078.7		2.09	
MEANS.....	29.945	32.8	67.1	W.	.067	

COMPARATIVE TEMPERATURE.			
1871 . . . . .	27.9	1879 . . . . .	32.4
1872 . . . . .	33.7	1880 . . . . .	25.8
1873 . . . . .	31.1	1881 . . . . .	37.8
1874 . . . . .	31.0	1882 . . . . .	30.5
1875 . . . . .	29.0	1883 . . . . .	28.7
1876 . . . . .	21.9	1884 . . . . .	33.1
1877 . . . . .	35.0	1885 . . . . .	32.8
1878 . . . . .	29.5		

COMPARATIVE PRECIPITATIONS.			
Inches.		Inches.	
1871 . . . . .	3.38	1879 . . . . .	5.36
1872 . . . . .	2.95	1880 . . . . .	3.42
1873 . . . . .	5.64	1881 . . . . .	3.80
1874 . . . . .	2.14	1882 . . . . .	2.65
1875 . . . . .	0.75	1883 . . . . .	3.71
1876 . . . . .	3.71	1884 . . . . .	4.46
1877 . . . . .	1.32	1885 . . . . .	2.09
1878 . . . . .	6.76		

# SUMMARY OF DEATHS IN BOSTON.

With Principal Causes, for the year 1885. Compared with those of 1884.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M. D.,

*Chairman.*

	1885.	1884.		1885.	1884.
Total No. of deaths from all causes . .	9,618	9,622	Erysipelas . . . . .	40	47
Population . . . . .	400,000	427,940	Intermittent Fever . . . . .	3	1
Annual death rate per 1000 inhabitants	24.04	22.48	Measles . . . . .	84	13
Total No. from Zymotic diseases . .	1,879	2,278	Purpura . . . . .	2	5
Percentage of deaths from Zymotic dis-			Puerperal Fever . . . . .	20	45
eases to total mortality . . . .	19.53	23.67	Pyæmia . . . . .	11	17
Total No. of Still-births . . . . .	520	503	Remittent Fever . . . . .	2	—
Total deaths of children under 1 year .	2,156	2,235	Rheumatism . . . . .	39	26
“ “ “ “ 2 years .	2,812	2,915	Scarlatina . . . . .	156	209
“ “ “ “ 5 years .	3,466	3,570	Small Pox . . . . .	2	1
Percentage of deaths under 5 years to			Syphilis (congenital) . . . . .	21	27
total mortality . . . . .	36.03	37.10	Syphilis . . . . .	10	5
Total No. of deaths from diarrhœal dis-			Septicæmia . . . . .	31	23
eases, under 5 years . . . . .	621	734	Tonsillitis . . . . .	5	6
Total No. of deaths from diarrhœal dis-			Typhoid Fever . . . . .	152	216
eases, all ages . . . . .	723	855	Typhus Fever . . . . .	—	1
Percentage of deaths from diarrhœal dis-			Whooping Cough . . . . .	26	181
eases to total mortality . . . . .	7.51	8.88	Yellow Fever . . . . .	1	1
Alcoholism . . . . .	55	71	Other Zymotic Diseases . . . . .	11	20
Croup . . . . .	125	142	Cancer . . . . .	274	282
Carbuncle . . . . .	7	3	Phthisis Pulmonalis . . . . .	1,523	1,543
Cholera Morbus . . . . .	30	49	Bright's Disease . . . . .	187	179
Cholera Infantum . . . . .	461	517	Bronchitis . . . . .	487	431
Cerebro Spinal Meningitis . . . . .	19	26	Heart Disease . . . . .	563	530
Diarrhœa . . . . .	170	220	Pneumonia . . . . .	963	764
Dysentery . . . . .	62	61	Old age . . . . .	268	294
Diphtheria . . . . .	334	345	Violent Deaths . . . . .	350	375



# OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

## Statement of Mortality for the month of January, 1886.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M. D.,

*Chairman.*

Deaths during the month of January, 1886, . . . . .	765
Population estimated at 400,000.	Rate per 1,000 inhabitants, 22.9

Total number . . . . . 765

### SEX.

Males . . . . . 389

Females . . . . . 376

### CONDITION.

Married . . . . . 265

Single . . . . . 375

Widows . . . . . 91

Widowers . . . . . 27

Unknown . . . . . 7

### COLOR.

White . . . . . 746

Colored . . . . . 19

Total deaths of children	Under 1 year . . . . .	124
	Under 2 years . . . . .	153
	Under 5 years . . . . .	198

Diarrhoeal diseases,	Under 5 years . . . . .	8
	All ages . . . . .	13

### NATIVITY.

United States . . . . . 485

Ireland . . . . . 164

England . . . . . 17

Scotland . . . . . 1

Germany . . . . . 12

British America . . . . . 58

Other Countries . . . . . 14

Unknown . . . . . 14

### PARENTAGE.

United States . . . . . 198

Irish . . . . . 291

English . . . . . 19

Scotch . . . . . 4

German . . . . . 25

British American . . . . . 36

Other Countries . . . . . 63

Mixed . . . . . 53

Unknown . . . . . 76

Still-births during the month . . . . . 38



# Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for January, 1886.	Total Mortality for January, 1885.	AGE.																			SEX.			
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 yrs. and under 3 yrs.	3 yrs. and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.		
I. ZYMOTICS.																									
ALCOHOLISM . . . . .	4	2										1	1	1	1								3	1	
CROUP . . . . .	7	20			1	2	1	2		6	1												4	3	
CARBUNCLE . . . . .	1	2															1						1		
CHOLERA MORBUS . . . . .																									
CHOLERA INFANTUM . . . . .	1			1						1													1		
CEREBRO-SPINAL MENINGITIS . . . . .	3	2				1	1		1	3													3		
CONGESTIVE FEVER . . . . .																									
DIARRHŒA . . . . .	8	11	5	2						7				1									5	3	
DYSENTERY . . . . .	4	6													1		1	2					2	2	
DIPHTHERIA . . . . .	29	51		1	1	4	8	5	2	21	4			1	1	1	1					13	16		
ERYSIPELAS . . . . .	5	10	1							1						3	1						2	3	
INTERMITTENT FEVER . . . . .																									
INFLUENZA . . . . .																									
MEASLES . . . . .		4																							
PURPURA . . . . .	1				1					1													1		
PUERPERAL FEVER. . . . .	1	4											1											1	
PYŒMIA . . . . .	2	2		1						1		1											1	1	
REMITTENT FEVER . . . . .	1										1												1		
RHEUMATISM . . . . .	2	5									1			1									2		
SCARLATINA . . . . .	12	13				3	1	3	1	8	2	2											8	4	
SMALL POX . . . . .																									
SYPHILIS (CONGENITAL) . . . . .	2	6	1	1						2													2		
SYPHILIS . . . . .	2	2													1	1							2		
SEPTICEMIA . . . . .	3	5											1		1	1							1	2	
TONSILLITIS, . . . . .		2																							
TYPHOID FEVER. . . . .	4	10										1		3									1	3	
TYPHUS FEVER . . . . .																									
WHOOPING COUGH . . . . .																									
YELLOW FEVER . . . . .																									
OTHER ZYMOTIC DISEASES . . . . .		2																							
II. CONSTITUTIONAL.																									
CANCER . . . . .	32	31												2	6	7	7	6	2	2			8	24	
HYDROCEPHALUS AND TUBERC. MENINGITIS . . . . .	15	13	3	2	1	5				11	2		2										7	8	
MARASMUS, SCHRÖFULA AND TABES MESENTERICA . . . . .	6	17	2	2		1				5								1					4	2	
PHTHISIS PULMONALIS . . . . .	140	132		1	2	3	1			7	1	7	52	32	21	7	7	4	2				66	74	
OTHER CONSTITUTIONAL DISEASES . . . . .	14	9			1	1	2			4	1		2	2	3		1	1					8	6	

of January, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	AGE.																				SEX.			
	Total Mortality for January, 1886.	Total Mortality for January, 1885.	Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
III. LOCAL.																								
ATOPLEXY . . . . .	16	23													2	4	6	3	1				5	11
BRIGHT'S DISEASE . . . . .	15	15										2	1	1	1	4	5		1				10	5
BRONCHITIS . . . . .	49	70	11	10	8	2	3		34	2	2			2	1	1	1	3	3				23	26
HEART DISEASE . . . . .	58	52				1		1	2		4	3	11	8	9	9	9	3					23	35
MENINGITIS . . . . .	20	30	2	1	4	1	2	1	11	4				2	3								13	7
NEPHRITIS . . . . .	12	9									2		1	1		4	2	2					8	4
PLEURISY . . . . .		1																						
PNEUMONIA . . . . .	88	101	5	3	5	1	3	1	18	2	3	7	5	12	18	10	11	2					52	36
OTHER LOCAL DISEASES . . . . .	96	103	9	2	2	1	2	1	17	2	3	8	10	11	10	9	11	5	1				43	53
IV. DEVELOPMENTAL.																								
CYANOSIS . . . . .	5	2	5						5														4	1
INANITION . . . . .	4	6	2	1			1		4														3	1
OLD AGE . . . . .	33	22															2	10	17	4			11	22
PREMATURE BIRTH . . . . .	14	14	14						14														10	4
PUERP'L DISEASES (not including Puerp'l Fever)	1	2											1											1
OTHER DEVELOPMENTAL DISEASES . . . . .	20	23	6	1	1	2	1		11								4	5					12	8
V. VIOLENT.																								
ACCIDENTAL . . . . .	27	16	1			1			2		1	8	5	5	2	1	2	1					21	6
HOMICIDAL . . . . .																								
SUICIDAL . . . . .	3												2		1								2	1
OTHER VIOLENT CAUSES . . . . .	1		1						1														1	
UNKNOWN CAUSES . . . . .	4	1					1		1	1							1	1					2	2
TOTAL FROM ALL CAUSES . . . . .	765	899	68	29	27	20	27	14	4	198	26	26	90	89	79	82	69	71	37	7			389	376
TOTAL FROM ZYMOTIC DISEASES . . . . .																								
" " CONSTITUTIONAL DISEASES . . . . .	92	167	7	6	3	10	11	10	4	51	9	4	3	7	5	7	4	2					53	39
" " LOCAL do. . . . .	207	202	5	5	4	10	3		27	4	7	56	36	30	14	15	12	4	2				93	114
" " DEVELOPMENTAL do. . . . .	354	404	27	16	19	6	10	4	82	12	14	20	32	38	59	42	39	15	1				177	177
" " VIOLENT CAUSES . . . . .	31	16	2			1			3		1	10	5	6	2	1	2	1					24	7

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of January, 1886, and for the corresponding month in 1885.

CASES REPORTED DURING JANUARY, 1886.			CASES REPORTED DURING JANUARY, 1885.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria . . . . .	122	....	Diphtheria . . . . .	164	....
Measles . . . . .	31	....	Measles . . . . .	166	....
Small Pox . . . . .	....	....	Small Pox . . . . .	....	....
Scarlatina . . . . .	155	....	Scarlatina . . . . .	232	....
Typhoid Fever . . . . .	30	....	Typhoid Fever . . . . .	40	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

# METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of Jan . 1886, as reported by OTTO B. COLE, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	30.037	42.1	70.0	N.W.	.12	Mean Barometer, 30.018.
2	30.410	38.6	77.3	N.E.	.01	Highest Barometer, 30.821 on 14th.
3	30.452	38.5	89.0	S.E.	.03	Lowest Barometer, 28.728 on 9th.
4	30.130	42.6	97.3	S.E.	.02	Monthly Range of Barometer, 2.093.
5	29.574	48.3	89.0	S.E.	.53	Mean Temperature, 26.0.
6	29.506	31.6	62.3	W.	.00	Highest Temperature, 53.6 on 5th.
7	29.680	19.0	60.3	N.W.	.00	Lowest Temperature, -10.1 on 12th.
8	29.915	18.2	53.7	W.	.00	Monthly Range of Temperature, 63.7.
9	28.836	22.8	82.7	N.E.	1.10	Greatest Daily Range of Temperature, 30.6 on 23d.
10	29.383	9.8	60.3	W.	—	Least Daily Range of Temperature, 3.8 on 3d.
11	29.928	8.8	60.7	W.	.00	Mean Daily Range of Temperature, 14.0.
12	30.366	-2.5	52.7	W.	.00	Mean Daily Dew-point, 18.4.
13	30.006	7.7	56.0	W.	.00	Mean Daily Relative Humidity, 73.7.
14	30.780	14.6	59.7	N.	.00	Prevailing Direction of Wind, W.
15	30.570	20.6	60.7	N.W.	.00	Total Movement of Wind, 9,323 Miles.
16	30.200	27.5	80.3	N.	.00	Highest Velocity of Wind and Direction, 64 Miles per hour, N.E., on 9th.
17	29.794	32.3	73.7	W.	.03	Number of Foggy Days, 0.
18	30.157	25.7	48.0	N.W.	.00	“ Clear “ 9.
19	30.015	29.0	87.3	W.	1.09	“ Fair “ 11.
20	30.367	29.3	54.3	W.	.00	Number of Cloudy “ 11.
21	30.112	33.1	78.7	S.E.	.01	Total Number of Days on which Rain or Snow fell, 19.
22	29.893	34.4	90.7	N.E.	.15	Depth of unmelted Snow on ground at end of month, 9 inches.
23	30.222	20.2	56.3	N.W.	.00	Dates of Auroras, 0.
24	30.509	6.4	75.0	N.	.17	Dates of Solar Halos, 0.
25	30.342	18.3	94.0	N.	.77	Dates of Lunar Halos, 13th.
26	30.162	32.7	86.3	N.W.	.04	Thunder Storm, 0.
27	30.190	29.3	82.0	N.	.08	Dates of Frosts, 0.
28	29.894	32.0	96.3	N.E.	1.68	
29	29.446	32.2	91.0	N.E.	.37	
30	29.411	34.2	89.7	W.	.82	
31	29.745	26.3	70.7	W.	.09	
TOTALS .....	930.572	804.5	2235.0		7.08	
MEANS ..	30.018	26.0	73.7	W.	0.228	

## COMPARATIVE TEMPERATURE.

1871 . . . . .	26.0	1879 . . . . .	23.9
1872 . . . . .	27.4	1880 . . . . .	34.8
1873 . . . . .	25.9	1881 . . . . .	21.9
1874 . . . . .	30.8	1882 . . . . .	26.4
1875 . . . . .	20.4	1883 . . . . .	25.1
1876 . . . . .	29.8	1884 . . . . .	23.8
1877 . . . . .	23.2	1885 . . . . .	27.0
1878 . . . . .	27.6	1886 . . . . .	26.0

## COMPARATIVE PRECIPITATIONS.

	Inches.		Inches.
1871 . . . . .	2.67	1879 . . . . .	2.79
1872 . . . . .	2.11	1880 . . . . .	3.72
1873 . . . . .	5.76	1881 . . . . .	3.15
1874 . . . . .	4.32	1882 . . . . .	3.68
1875 . . . . .	3.68	1883 . . . . .	3.50
1876 . . . . .	1.87	1884 . . . . .	6.27
1877 . . . . .	1.56	1885 . . . . .	5.33
1878 . . . . .	2.58	1886 . . . . .	8.03

# OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

## Statement of Mortality for the month of February, 1886.

With an enumeration of the more prominent causes ; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M. D.,  
*Chairman.*

Deaths during the month of February, 1886, . . . . . 639

Population estimated at 400,000. Rate per 1,000 inhabitants, 19.1

Total number . . . . . 639

### SEX.

Males . . . . . 325

Females . . . . . 314

### CONDITION.

Married . . . . . 197

Single . . . . . 345

Widows . . . . . 65

Widowers . . . . . 25

Unknown . . . . . 7

### COLOR.

White . . . . . 627

Colored . . . . . 12

Total deaths of children { Under 1 year . . . . . 138  
Under 2 years . . . . . 172  
Under 5 years . . . . . 203

Diarrhoeal diseases, { Under 5 years . . . . . 9  
All ages . . . . . 12

### NATIVITY.

United States . . . . . 428

Ireland . . . . . 126

England . . . . . 15

Scotland . . . . . 4

Germany . . . . . 9

British America . . . . . 27

Other Countries . . . . . 16

Unknown . . . . . 14

### PARENTAGE.

United States . . . . . 180

Irish . . . . . 229

English . . . . . 20

Scotch . . . . . 7

German . . . . . 14

British American . . . . . 29

Other Countries . . . . . 45

Mixed . . . . . 54

Unknown . . . . . 61

Still-births during the month . . . . . 37



# Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for February, 1886.	Total Mortality for February, 1885.	AGE.																		SEX.			
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM . . . . .	1	4											1										1	
CROUP . . . . .	4	13				1		1	2	1	1											2	2	
CARBUNCLE . . . . .		1																						
CHOLERA MORBUS . . . . .																								
CHOLERA INFANTUM . . . . .	1	1	1							1													1	
CEREBRO-SPINAL MENINGITIS . . . . .		1																						
CONGESTIVE FEVER . . . . .																								
DIARRHŒA . . . . .	11	7	3	3	2				8						1		2					7	4	
DYSENTERY . . . . .		1																						
DIPHTHERIA . . . . .	25	35			1	4	3	4	5	17	7	1										16	9	
ERYSIPELAS . . . . .	7	6	3						1	4			1		1			1				4	3	
INTERMITTENT FEVER . . . . .																								
INFLUENZA . . . . .																								
MEASLES . . . . .	1	9									1												1	
PURPURA . . . . .																								
PUERPERAL FEVER . . . . .		2																						
PYÆMIA . . . . .		2																						
REMITTENT FEVER . . . . .																								
RHEUMATISM . . . . .	4	7											1	2	1							1	3	
SCARLATINA . . . . .	9	11				4		1	2	7	2											5	4	
SMALL POX . . . . .																								
SYPHILIS (CONGENITAL) . . . . .	2		1				1			2												2		
SYPHILIS . . . . .																								
SEPTICÆMIA . . . . .	3	4												1			2						3	
TONSILLITIS . . . . .																								
TYPHOID FEVER . . . . .	1	12												1								1		
TYPHUS FEVER . . . . .																								
WHOOPING COUGH . . . . .	2	4				1	1		2													1	1	
YELLOW FEVER . . . . .																								
OTHER ZYMOTIC DISEASES . . . . .		1																						
II. CONSTITUTIONAL.																								
CANCER . . . . .	16	16												2	2	3	1	7	1			3	13	
HYDROCEPHALUS AND TUBERC. MENINGITIS . . . . .	17	27	1	3	4	5	2	1		16	1											10	7	
MARASMUS, SCROFULA AND TABES MESENTERICA . . . . .	12	17	5	3	1	1				10			1					1				6	6	
PHTHISIS PULMONALIS . . . . .	121	110			2	2				4	1	13	38	24	18	13	6	3	1			60	61	
OTHER CONSTITUTIONAL DISEASES . . . . .	8	16		1	1		1			3		1	1		3							4	4	

of February, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for February, 1886.	Total Mortality for February, 1885.	AGE.																		SEX.		
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.
III. LOCAL.																							
ATOPLECTY . . . . .	16	20										1		1	3	5	2	3		1		7	9
BRIGHT'S DISEASE . . . . .	15	13										2	2	1	1	4	4	1				7	8
BRONCHITIS . . . . .	43	49	7	8	8	4	1			28	1			1	2	4	2	4	1			21	22
HEART DISEASE . . . . .	34	51			1	1				2		1		4	4	5	7	9	2			17	17
MENINGITIS . . . . .	16	24	2	2	4	4	1	1		14				1		1						5	11
NEPHRITIS . . . . .	9	7									1		1	1			3	3				4	5
PLEURISY . . . . .		2																					
PNEUMONIA . . . . .	74	120	3	3	6	3	2		1	18	1	2	6	3	11	10	10	7	4	2		39	35
OTHER LOCAL DISEASES . . . . .	90	95	9	6	3	3	2			23	1	6	9	7	9	8	14	12		1		51	39
IV. DEVELOPMENTAL.																							
CYANOSIS . . . . .	5	5	4		1					5												2	3
INANITION . . . . .	3	9	1	1						2							1					1	2
OLD AGE . . . . .	22	21																5	14	3		8	14
PREMATURE BIRTH . . . . .	11	15	11							11												8	3
PUERP'L DISEASES (not including Puerp'l Fever)	5	6										1	2	1	1								5
OTHER DEVELOPMENTAL DISEASES . . . . .	28	24	19	1	1					21					1		2	2	2			14	14
V. VIOLENT.																							
ACCIDENTAL . . . . .	17	19			1					1		2	5	3	3	3						12	5
HOMICIDAL . . . . .		2																					
SUICIDAL . . . . .	4	4											1	3								4	
OTHER VIOLENT CAUSES . . . . .																							
UNKNOWN CAUSES . . . . .	2	3	2							2												2	
TOTAL FROM ALL CAUSES . . . . .	639	796	72	31	35	34	14	8	9	203	17	31	69	56	61	56	56	58	25	7		325	314
TOTAL FROM ZYMOTIC DISEASES . . . . .																							
TOTAL FROM ZYMOTIC DISEASES . . . . .	71	121	8	3	3	10	5	6	8	43	11	2	3	4	3		4	1				40	31
" " CONSTITUTIONAL DISEASES . . . . .	174	186	6	7	8	8	3	1		33	2	14	40	26	23	16	7	11	2			83	91
" " LOCAL do. . . . .	297	381	21	19	22	15	6	1	1	85	4	12	18	19	30	37	42	39	7	4		151	146
" " DEVELOPMENTAL do. . . . .	74	80	35	2	2					39		1	2	1	2		3	7	16	3		33	41
" " VIOLENT CAUSES . . . . .	21	25			1					1		2	6	6	3	3						16	5

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of February, 1886, and for the corresponding month in 1885.

CASES REPORTED DURING FEBRUARY, 1886.			CASES REPORTED DURING FEBRUARY, 1885.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria . . . . .	104	....	Diphtheria . . . . .	111	....
Measles . . . . .	12	....	Measles . . . . .	138	....
Small Pox . . . . .	....	....	Small Pox . . . . .	....	....
Scarlatina . . . . .	126	....	Scarlatina . . . . .	151	....
Typhoid Fever . . . . .	13	....	Typhoid Fever . . . . .	26	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

# METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of Feb., 1886, as reported by OTTO B. COLE, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	29.897	22.8	72.3	N.W.	.02	Mean Barometer, 29.989.
2	30.105	17.5	59.3	N.W.	.00	Highest Barometer, 30.727 on 11th.
3	30.244	11.7	70.3	N.W.	.01	Lowest Barometer, 28.964 on 26th.
4	30.009	3.6	75.0	N.	.04	Monthly Range of Barometer, 1.763.
5	30.270	-0.2	65.0	N.W.	.00	Mean Temperature, 26.6.
6	30.280	10.2	59.3	W.	.00	Highest Temperature, 57.3 on 13th.
7	30.102	23.4	66.0	W.	.00	Lowest Temperature, -6.6 on 5th.
8	29.920	33.7	63.3	W.	.00	Monthly Range of Temperature, 63.9.
9	30.135	40.8	70.3	W.	.00	Greatest Daily Range of Temperature, 39.0.
10	30.577	36.3	94.7	N.E.	—	Least Daily Range of Temperature, 3.2.
11	30.629	34.9	97.0	N.E.	.65	Mean Daily Range of Temperature, 17.0.
12	30.077	40.8	100.0	N.E. and N.W.	4.45	Mean Daily Dew-point, 18.1.
13	29.536	50.7	92.0	S.W.	.52	Mean Daily Relative Humidity, 70.7.
14	29.811	44.6	83.3	W. and S.W.	—	Prevailing Direction of Wind, N.W.
15	29.867	48.5	81.3	W.	.06	Total Movement of Wind, 10,621 Miles.
16	30.140	30.8	55.3	W.	.00	Highest Velocity of Wind and Direction, 49 Miles per hour, N.W., on 26th, 27th and 28th.
17	30.283	24.2	58.7	W.	.00	Number of Foggy Days, 1.
18	30.114	34.4	51.3	W.	.00	“ Clear “ 10.
19	29.758	40.6	75.0	S.W., S.E.	.46	“ Fair “ 10.
20	29.388	27.3	69.7	W. and N.W.	—	Number of Cloudy “ 8.
21	29.934	18.6	53.7	N.W.	—	Total Number of Days on which Rain or Snow fell, 10.
22	30.085	21.2	72.3	N.	.00	Depth of unmelted Snow on ground at end of month, 1 inch.
23	29.998	33.8	65.7	N.W.	.00	Dates of Auroras, 0.
24	30.423	16.5	49.3	N.	.00	Dates of Solar Halos, 0.
25	29.768	33.3	86.3	S.	.47	Dates of Lunar Halos, 17th, 19th.
26	29.112	19.9	85.7	N.W.	.36	Thunder Storm, 0.
27	29.515	9.2	58.7	N.W.	.00	Dates of Frosts, 0.
28	29.712	14.5	47.3	N.W.	.90	
TOTALS .....	829.691	743.6	1080.1		7.04	
MEANS .....	29.989	26.6	70.7		0.231	

## COMPARATIVE TEMPERATURE.

1871 . . . . .	28.6	1879 . . . . .	23.6
1872 . . . . .	28.1	1880 . . . . .	32.0
1873 . . . . .	27.2	1881 . . . . .	27.7
1874 . . . . .	27.9	1882 . . . . .	30.4
1875 . . . . .	22.1	1883 . . . . .	29.2
1876 . . . . .	27.0	1884 . . . . .	31.0
1877 . . . . .	32.5	1885 . . . . .	20.5
1878 . . . . .	29.1	1886 . . . . .	26.6

## COMPARATIVE PRECIPITATIONS.

	Inches.		Inches.
1871 . . . . .	2.87	1879 . . . . .	4.35
1872 . . . . .	2.31	1880 . . . . .	4.11
1873 . . . . .	3.21	1881 . . . . .	4.80
1874 . . . . .	3.41	1882 . . . . .	4.77
1875 . . . . .	3.74	1883 . . . . .	2.74
1876 . . . . .	4.54	1884 . . . . .	5.74
1877 . . . . .	0.45	1885 . . . . .	3.00
1878 . . . . .	4.40	1886 . . . . .	7.04

# OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

## Statement of Mortality for the month of March, 1886.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M. D.,

*Chairman.*

Deaths during the month of March, 1886, . . . . . 810

Population estimated at 400,000. . . . . Rate per 1,000 inhabitants, 24.3

Total number . . . . . 810

### SEX.

Males . . . . . 394

Females . . . . . 416

### CONDITION.

Married . . . . . 253

Single . . . . . 450

Widows . . . . . 71

Widowers . . . . . 32

Unknown . . . . . 4

### COLOR.

White . . . . . 791

Colored . . . . . 19

Total deaths of children	{	Under 1 year . . . . .	157
		Under 2 years . . . . .	203
		Under 5 years . . . . .	246

Diarrhœal diseases,	{	Under 5 years . . . . .	9
		All ages . . . . .	11

### NATIVITY.

United States . . . . . 532

Ireland . . . . . 172

England . . . . . 13

Scotland . . . . . 5

Germany . . . . . 13

British America . . . . . 45

Other Countries . . . . . 21

Unknown . . . . . 9

### PARENTAGE.

United States . . . . . 227

Irish . . . . . 299

English . . . . . 22

Scotch . . . . . 7

German . . . . . 18

British American . . . . . 40

Other Countries . . . . . 58

Mixed . . . . . 61

Unknown . . . . . 78

Still-births during the month . . . . . 46



# Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for March, 1886.	Total Mortality for March, 1885.	AGE.																			SEX.		
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM . . . . .	4	4												1	1	2						3	1	
CROUP . . . . .	13	11		1	2	4	4	1	1	13												6	7	
CARBUNCLE . . . . .																								
CHOLERA MORBUS . . . . .	1										1											1		
CHOLERA INFANTUM . . . . .	1				1					1												1		
CEREBRO-SPINAL MENINGITIS . . . . .	5	5									1		1	1	1	1						2	3	
CONGESTIVE FEVER . . . . .																								
DIARRHŒA . . . . .	8	8	6	1	1					8												6	2	
DYSENTERY . . . . .	1	1															1						1	
DIPHTHERIA . . . . .	26	24		1	3	10	1	1	2	18	6	1	1									12	14	
ERYSIPELAS . . . . .	5	6		1						1				1			2	1				3	2	
INTERMITTENT FEVER . . . . .		1																						
INFLUENZA . . . . .																								
MEASLES . . . . .	1	4		1						1													1	
PURPURA . . . . .		1																						
PUERPERAL FEVER . . . . .	2	2												1		1							2	
PYŒMIA . . . . .																								
REMITTENT FEVER . . . . .																								
RHEUMATISM . . . . .	3	1									1		1	1								1	2	
SCARLATINA . . . . .	12	23			2	4	1		1	8	4											3	9	
SMALL POX . . . . .																								
SYPHILIS (CONGENITAL) . . . . .	2	2		3						3													2	
SYPHILIS . . . . .	4	1		7						7													7	
SEPTICŒMIA . . . . .	6	3												2	3			1				2	4	
TONSILLITIS . . . . .																								
TYPHOID FEVER . . . . .	8	7				1		1	2	1	1	2				1	1					7	1	
TYPHUS FEVER . . . . .																								
WHOOPING COUGH . . . . .	3	1	2			1				3												1	2	
YELLOW FEVER . . . . .																								
OTHER ZYMOTIC DISEASES . . . . .																								
II. CONSTITUTIONAL.																								
CANCER . . . . .	22	14												1	1	5	8	2	5			2	20	
HYDROCEPHALUS AND TUBERC. MENINGITIS . .	24	7	1	1	7	4	3	2	2	20	1											10	14	
MARASMUS, SCROFULA AND TABES MESENTERICA	18	17	6	5	2		1		1	15									1	2		7	11	
PHTHISIS PULMONALIS . . . . .	144	142			1	1	2		1	5		21	41	45	10	10	6	5		1		74	70	
OTHER CONSTITUTIONAL DISEASES . .	15	4		1		1				2	1	4	4	1	2		1					7	8	

# of March, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for March, 1886.	Total Mortality for March, 1885.	AGE.																		SEX.		
			Under 3 mos. 3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
III. LOCAL.																							
APoplexy . . . . .	24	22										1	1	1	4	9	5	3			11	13	
Bright's Disease . . . . .	16	16										1	3	3	1	7	1				9		
BRONCHITIS . . . . .	41	70	9	5	6	4	1	1	26				1	1	3	4	3	2	1		19	22	
HEART DISEASE . . . . .	68	55	2						2	5	2	4	10	8	10	14	10	3			32	36	
MENINGITIS . . . . .	31	32		5	5	6	3	2	1	22	4	2		1		1		1			17	14	
NEPHRITIS . . . . .	10	15											2	2	2	1	1	1	1		7	3	
PLEURISY . . . . .	2	3													1			1			1	1	
PNEUMONIA . . . . .	87	153		5	6	5	1	3	20	2	3	4	10	13	12	10	8	5			42	45	
OTHER LOCAL DISEASES . . . . .	102	104	8	6	5	2	3	2	26	2	5	7	14	11	13	9	13	2			46	56	
IV. DEVELOPMENTAL.																							
CYANOSIS . . . . .	3	4	2	1					3												2	1	
INANITION . . . . .	8	8	4	2					6									1	1		6	2	
OLD AGE . . . . .	17	24													1		5	8	2	1	6	11	
PREMATURE BIRTH . . . . .	17	12	17						17												10	7	
PUERP'L DISEASES (not including Puerp'l Fever)	5	4										2	2	1								5	
OTHER DEVELOPMENTAL DISEASES . . . . .	27	15	14	1	4	3			22					1	1	2	1				20	7	
V. VIOLENT.																							
ACCIDENTAL . . . . .	20	21		1				1	2		1	4	8	2		2	1				14	6	
HOMICIDAL . . . . .																							
SUICIDAL . . . . .	5											2	2				1				4	1	
OTHER VIOLENT CAUSES . . . . .																							
UNKNOWN CAUSES . . . . .	2	7									1	1										2	
TOTAL FROM ALL CAUSES . . . . .	810	855	71	41	45	46	20	14	9	246	31	42	82	108	63	70	71	63	28	5	1	394	416
TOTAL FROM ZYMOTIC DISEASES . . . . .	102	106	8	8	9	20	6	3	4	68	13	3	8	7	3	4	4	2			48	64	
“ “ CONSTITUTIONAL DISEASES . . . . .	223	184	7	7	10	6	6	2	4	42	5	25	46	47	17	18	9	11	2	1	100	123	
“ “ LOCAL do. . . . .	381	470	19	21	22	17	8	8	1	96	13	12	19	42	39	46	54	42	17	1	184	197	
“ “ DEVELOPMENTAL do. . . . .	77	67	37	4	4	3				48			2	2	2	2	2	6	9	3	44	33	
“ “ VIOLENT CAUSES . . . . .	25	21		1				1	2		1	6	10	2		2	2				18	7	

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of March, 1886, and for the corresponding month in 1885.

CASES REPORTED DURING MARCH, 1886.			CASES REPORTED DURING MARCH, 1885.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria . . . . .	110	....	Diphtheria . . . . .	108	....
Measles . . . . .	22	....	Measles . . . . .	163	....
Small Pox . . . . .	....	....	Small Pox . . . . .	1	....
Scarlatina . . . . .	144	....	Scarlatina . . . . .	182	....
Typhoid Fever . . . . .	36	....	Typhoid Fever . . . . .	24	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

# METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of March, 1886, as reported by OTTO B. COLE, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	29.694	4.4	60.7	N.W.	.01	Mean Barometer, 29.869.
2	29.445	14.4	59.0	N.W.	—	Highest Barometer, 30.576 on 29th.
3	29.899	24.9	61.3	N.W.	.00	Lowest Barometer, 29.237 on 13th.
4	29.835	32.5	54.0	N.W.	.00	Monthly Range of Barometer, 1.339.
5	29.803	31.4	58.0	N.W.	.00	Mean Temperature, 33.7.
6	29.816	30.8	58.0	N.W.	.00	Highest Temperature, 64.3 on 31st.
7	29.838	27.1	56.7	N.W.	.00	Lowest Temperature, —1.2 on 1st.
8	29.843	30.5	72.3	E.	.03	Monthly Range of Temperature, 65.5.
9	29.838	24.6	79.0	N.	.03	Greatest Daily Range of Temperature, 27.1, on 31st.
10	29.951	27.6	57.7	N.	.00	Least Daily Range of Temperature, 3.9, on 30th.
11	29.926	36.1	39.3	W.	.00	Mean Daily Range of Temperature, 14.3.
12	29.840	40.2	60.0	S. W.	.02	Mean Daily Dew-point, 24.1.
13	29.807	38.6	84.7	S. W.	.25	Mean Daily Relative Humidity, 69.6.
14	29.854	35.8	62.3	W.	.17	Prevailing Direction of Wind, N.W.
15	30.062	34.7	82.7	E.	.00	Total Movement of Wind, 10,628 Miles.
16	29.923	37.8	83.0	E.	.03	Highest Velocity of Wind and Direction, 41 Miles per hour, E., on 21st.
17	30.235	32.8	71.0	N.W.	.00	Number of Foggy Days, 0.
18	30.142	39.6	62.0	W.	.00	“ Clear “ 7.
19	30.115	32.7	82.7	E.	.21	“ Fair “ 15.
20	29.911	34.7	100.0	E.	.52	Number of Cloudy “ 9.
21	29.430	34.9	95.3	N. E.	1.11	Total Number of Days on which Rain or Snow fell, 17.
22	29.316	38.2	71.0	W.	.03	Depth of unmelted snow on ground at end of month, 0.
23	29.472	34.2	66.0	W.	.01	Dates of Auroras, 0.
24	29.892	29.8	59.0	N.W.	.00	Dates of Solar Halos, 18th.
25	29.963	39.7	62.7	S.W.	—	Dates of Lunar Halos, 11th, 14th and 19th.
26	29.955	47.3	36.0	W.	.00	Thunder Storm, 0.
27	30.196	42.0	65.7	S.W.	.14	Dates of Frosts, 0.
28	30.364	36.5	83.0	N. E.	.10	
29	30.429	37.7	88.0	E.	.03	
30	30.078	38.0	95.3	S.E.	.43	
31	29.957	54.6	90.7	S.	.08	
TOTALS .....	925.931	1044.1	2157.1		3.20	
MEANS .....	29.869	33.7	69.6		.103	

COMPARATIVE TEMPERATURE.			
1871 . . . . .	41.5	1879 . . . . .	33.4
1872 . . . . .	26.8	1880 . . . . .	32.8
1873 . . . . .	35.0	1881 . . . . .	36.4
1874 . . . . .	35.1	1882 . . . . .	35.3
1875 . . . . .	31.3	1883 . . . . .	31.3
1876 . . . . .	32.9	1884 . . . . .	33.5
1877 . . . . .	34.4	1885 . . . . .	27.9
1878 . . . . .	39.4	1886 . . . . .	33.7

COMPARATIVE PRECIPITATIONS.			
Inches.		Inches.	
1871 . . . . .	4.55	1879 . . . . .	3.90
1872 . . . . .	4.05	1880 . . . . .	3.25
1873 . . . . .	3.76	1881 . . . . .	9.86
1874 . . . . .	1.60	1882 . . . . .	3.35
1875 . . . . .	5.04	1883 . . . . .	2.33
1876 . . . . .	7.19	1884 . . . . .	4.86
1877 . . . . .	9.79	1885 . . . . .	1.15
1878 . . . . .	5.91	1886 . . . . .	3.20

# OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

## Statement of Mortality for the month of April, 1886.

With an enumeration of the more prominent causes ; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M. D.,  
*Chairman.*

Deaths during the month of April, 1886, . . . . . 739  
Population estimated at 400,000. . . . . Rate per 1,000 inhabitants, 22.1

Total number . . . . . 739

### SEX.

Males . . . . . 352

Females . . . . . 387

### CONDITION.

Married . . . . . 240

Single . . . . . 391

Widows . . . . . 85

Widowers . . . . . 21

Unknown . . . . . 2

### COLOR.

White . . . . . 716

Colored . . . . . 23

### NATIVITY.

United States . . . . . 474

Ireland . . . . . 162

England . . . . . 16

Scotland . . . . . 6

Germany . . . . . 10

British America . . . . . 43

Other Countries . . . . . 9

Unknown . . . . . 19

### PARENTAGE.

United States . . . . . 239

Irish . . . . . 266

English . . . . . 11

Scotch . . . . . 8

German . . . . . 11

British American . . . . . 37

Other Countries . . . . . 48

Mixed . . . . . 51

Unknown . . . . . 68

Still-births during the month . . . . . 62

Total deaths of children { Under 1 year . . . . . 133  
Under 2 years . . . . . 168  
Under 5 years . . . . . 206

Diarrhoeal diseases, { Under 5 years . . . . . 18  
All ages . . . . . 21



# Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for April, 1886.	Total Mortality for April, 1885.	AGE.																		SEX.			
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM . . . . .	4	3											2		2							2	2	
CROUP . . . . .	1	10									1												1	
CARBUNCLE . . . . .																								
CHOLERA MORBUS . . . . .																								
CHOLERA INFANTUM . . . . .	6	3	4	2						6												5	1	
CEREBRO-SPINAL MENINGITIS . . . . .	1										1										1			
CONGESTIVE FEVER . . . . .																								
DIARRHŒA . . . . .	13	7	10			1				11					1		1					5	8	
DYSENTERY . . . . .	2	2				1				1												2		
DIPHTHERIA . . . . .	22	27			4	5	2	3		14	5	3										12	10	
ERYSIPELAS . . . . .	6	5	1					1		2				2		1		1				3	3	
INTERMITTENT FEVER . . . . .																								
INFLUENZA . . . . .																								
MEASLES . . . . .	1	14					1			1													1	
PURPURA . . . . .	2							1		1			1										2	
PURPERAL FEVER. . . . .	3	4										1	1	1									3	
PYŒMIA . . . . .	2			2						2													2	
REMITTENT FEVER . . . . .																								
RHEUMATISM . . . . .	2	4									1						1						2	
SCARLATINA . . . . .	15	21			1	2	3	1	2	9	2	3	1									9	6	
SMALL POX . . . . .																								
SYPHILIS (CONGENITAL) . . . . .	1	2		1						1												1		
SYPHILIS . . . . .																								
SEPTICŒMIA . . . . .	1	1											1									1		
TONSILLITIS, . . . . .																								
TYPHOID FEVER. . . . .	4	9											2	2									4	
TYPHUS FEVER . . . . .																								
WHOOPING COUGH . . . . .	4	2		1		2		1		4												1	3	
YELLOW FEVER . . . . .																								
OTHER ZYMOTIC DISEASES . . . . .	1	1															1						1	
II. CONSTITUTIONAL.																								
CANCER . . . . .	30	19											1	3	9	5	8	4				9	21	
HYDROCEPHALUS AND TUBERC. MENINGITIS . .	20	19	2	2	5	2	4		1	16	2	1		1								10	10	
MARASMUS, SCROFULA AND TABES MESENTERICA	23	29	12	2	3		1			18		1	1				1	1	1			11	12	
PHTHISIS PULMONALIS . . . . .	134	152		3		1		1		5	1	15	34	39	20	13	6	1				73	61	
OTHER CONSTITUTIONAL DISEASES . . . . .	7	14	1			2				3		3						1				3	4	

# of April, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for April, 1886.	Total Mortality for April, 1885.	AGE.																			SEX.	
			Under 3 mos. 3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
III. LOCAL.																							
Apoplexy . . . . .	25	31										1		2	6	4	10	2			10	15	
Bright's Disease . . . . .	19	20			1		1		2			1	3	4	5	1	3				8	1	
Bronchitis . . . . .	35	50	4	4	7	2	4		21	1				2	3	2	5	1			13	22	
Heart Disease . . . . .	42	45								1	3	3	5	6	5	4	9	6			12	30	
Meningitis . . . . .	19	28	1	1	2	4	1	2	11	3	1	1		2		1					16	3	
Nephritis . . . . .	12	12									1	2	2	2	3	1	1				9	3	
Pleurisy . . . . .	3	2													2		1				1	2	
Pneumonia . . . . .	87	180	1	4		6	2	1	1	15	1	5	8	13	7	10	14	9	5		38	49	
Other Local Diseases . . . . .	89	109	4	5	2	4	2	1	18	2	2	5	12	14	14	6	11	3	2		44	45	
IV. DEVELOPMENTAL.																							
Cyanosis . . . . .	2	2	2						2												1	1	
Inanition . . . . .	5	2	4						4							1					4	1	
Old Age . . . . .	19	36														1	5	12	1		9	10	
Premature Birth . . . . .	18	10	17		1				18												12	6	
Puerp'l Diseases (not including Puerp'l Fever)	5	2											2	3								5	
Other Developmental Diseases . .	23	27	10		3	2			15						1	5	2				11	12	
V. VIOLENT.																							
Accidental . . . . .	19	20	2	1		1	1		5	1	1	1	2	2	3		3	1			9	10	
Homicidal . . . . .	2										1		1								1	1	
Suicidal . . . . .	8	4											1	1	3	2	1				6	2	
Other Violent Causes . . . . .																							
Unknown Causes . . . . .	2	2			1				1						1							2	
TOTAL FROM ALL CAUSES . . . . .	739	960	75	28	30	35	21	13	4	206	21	42	69	91	77	73	59	67	31	3	352	387	
TOTAL FROM ZYMOTIC DISEASES . . . . .	91	115	15	6	5	11	6	7	2	52	9	8	8	6	3	1	3	1			42	49	
“ “ CONSTITUTIONAL DISEASES . . . . .	214	233	15	7	8	5	5	1	1	42	3	20	36	43	29	18	15	7	1		106	108	
“ “ LOCAL do. . . . .	331	478	10	14	12	16	10	4	1	67	8	12	21	35	39	48	33	49	17	2	151	180	
“ “ DEVELOPMENTAL do. . . . .	72	79	33		4	2			39				2	3		1	7	7	12	1	37	35	
“ “ VIOLENT CAUSES . . . . .	29	24	2	1		1	1		5	1	2	2	4	5	5	1	3	1			16	13	

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of April, 1886, and for the corresponding month in 1885.

CASES REPORTED DURING APRIL, 1886.			CASES REPORTED DURING APRIL, 1885.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria . . . . .	66	....	Diphtheria . . . . .	109	....
Measles . . . . .	75	....	Measles . . . . .	411	....
Small Pox . . . . .	....	....	Small Pox . . . . .	5	....
Scarlatina . . . . .	151	....	Scarlatina . . . . .	159	....
Typhoid Fever . . . . .	16	....	Typhoid Fever . . . . .	31	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

# METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of April, 1886, as reported by OTTO B. COLE, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	29.804	49.3	64.0	S.	.05	Mean Barometer, 30.123.
2	29.973	45.1	55.3	S. W.	.00	Highest Barometer, 30.699 on 11th.
3	30.129	35.4	79.3	N. W.	.08	Lowest Barometer, 29.569 on 6th.
4	30.228	32.2	68.3	N. E.	—	Monthly Range of Barometer, 1.050.
5	30.261	36.3	76.7	N. W.	.02	Mean Temperature, 47.7.
6	29.780	36.5	100.0	E.	1.39	Highest Temperature, 84.3 on 23d.
7	29.806	36.2	93.7	N. E.	.08	Lowest Temperature, 26.9 on 4th.
8	30.028	34.8	79.7	N.	.00	Monthly Range of Temperature, 57.4.
9	30.138	49.5	50.3	W.	.00	Greatest Daily Range of Temperature, 24.9, on 23d.
10	30.140	51.8	46.3	N. W.	.00	Least Daily Range of Temperature, 4.9, on 29th.
11	30.573	36.9	62.3	E.	.00	Mean Daily Range of Temperature, 16.1.
12	30.447	50.2	75.7	S.	.00	Mean Daily Dew-point, 36.6.
13	30.188	56.5	84.3	S. W.	.05	Mean Daily Relative Humidity, 68.6.
14	30.288	47.6	81.3	S. E.	.00	Prevailing Direction of Wind, E.
15	30.173	47.6	80.7	S. E.	.00	Total Movement of Wind, 7,664 Miles.
16	30.555	40.7	87.7	E.	.00	Highest Velocity of Wind and Direction, 51 Miles per hour, E., on 6th.
17	30.523	45.1	81.0	S. W.	.00	Number of Foggy Days, 0.
18	30.351	56.7	49.7	W.	.00	“ Clear “ 10.
19	30.245	59.9	56.0	E.	.00	“ Fair “ 14.
20	30.271	49.5	75.0	E.	.00	Number of Cloudy “ 6.
21	30.064	63.3	51.7	W.	.00	Total Number of Days on which Rain or Snow fell, 10.
22	30.049	54.3	71.3	N. E.	.00	Depth of unmelted Snow on ground at end of month, 0.
23	29.798	69.0	43.7	S. W.	.00	Dates of Auroras, 14th.
24	29.834	57.7	60.7	E.	.01	Dates of Solar Halos, 11th.
25	30.050	47.5	60.7	E.	.00	Dates of Lunar Halos, 11th.
26	29.913	52.3	49.3	E.	.00	Thunder Storm, 0.
27	29.962	47.3	50.0	S. E.	.01	Dates of Frosts, 0.
28	29.883	47.4	80.0	S. E.	.01	
29	29.995	47.6	60.7	E.	.00	
30	30.026	46.0	75.3	N. E.	.00	
TOTALS .....	903.675	1430.2	2056.7		1.70	
MEANS .....	30.122	47.7	68.6		.057	

COMPARATIVE TEMPERATURE.			
1871 . . . . .	47.0	1879 . . . . .	42.2
1872 . . . . .	44.6	1880 . . . . .	46.2
1873 . . . . .	47.1	1881 . . . . .	42.8
1874 . . . . .	37.0	1882 . . . . .	42.0
1875 . . . . .	42.1	1883 . . . . .	44.3
1876 . . . . .	43.2	1884 . . . . .	42.7
1877 . . . . .	43.9	1885 . . . . .	46.3
1878 . . . . .	47.2	1886 . . . . .	47.7

COMPARATIVE PRECIPITATIONS.			
Inches.		Inches.	
1871 . . . . .	3.79	1879 . . . . .	6.54
1872 . . . . .	1.30	1880 . . . . .	2.85
1873 . . . . .	3.83	1881 . . . . .	1.66
1874 . . . . .	7.99	1882 . . . . .	2.50
1875 . . . . .	4.92	1883 . . . . .	2.83
1876 . . . . .	3.61	1884 . . . . .	4.76
1877 . . . . .	4.17	1885 . . . . .	3.36
1878 . . . . .	6.14	1886 . . . . .	1.70

# OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

## Statement of Mortality for the month of May, 1886.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M. D.,

*Chairman.*

Deaths during the month of May, 1886, . . . . . 737

Population estimated at 400,000. . . . . Rate per 1,000 inhabitants, 22.1

Total number . . . . . 737

### SEX.

Males . . . . . 375

Females . . . . . 362

### CONDITION.

Married . . . . . 253

Single . . . . . 369

Widows . . . . . 69

Widowers . . . . . 35

Unknown . . . . . 11

### COLOR.

White . . . . . 716

Colored . . . . . 21

Total deaths of children { Under 1 year . . . . . 136  
Under 2 years . . . . . 179  
Under 5 years . . . . . 218

Diarrhœal diseases { Under 1 year . . . . . 14  
Under 2 years . . . . . 15  
Under 5 years . . . . . 15  
All ages . . . . . 15

### NATIVITY.

United States . . . . . 456

Ireland . . . . . 154

England . . . . . 21

Scotland . . . . . 7

Germany . . . . . 12

British America . . . . . 40

Other Countries . . . . . 23

Unknown . . . . . 24

### PARENTAGE.

United States . . . . . 199

Irish . . . . . 252

English . . . . . 22

Scotch . . . . . 7

German . . . . . 22

British American . . . . . 27

Other Countries . . . . . 61

Mixed . . . . . 57

Unknown . . . . . 90

Still-births during the month . . . . . 35



# Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for May, 1886.	Total Mortality for May, 1885.	AGE.																			SEX.				
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.			
I. ZYMOTICS.																										
ALCOHOLISM . . . . .	6	7												2	2	2							3	3		
CROUP . . . . .	5	11				2	1	1	1	5												4	1			
CARBUNCLE . . . . .	2	1														1			1			1				
CHOLERA MORBUS . . . . .																										
CHOLERA INFANTUM . . . . .	4	3	2		2					4												1	3			
CEREBRO-SPINAL MENINGITIS . . . . .	2	2										1					1						2			
CONGESTIVE FEVER . . . . .																										
DIARRHŒA . . . . .	11	10	9		1	1				11												1	10			
DYSENTERY . . . . .																										
DIPHTHERIA . . . . .	22	23	1		1	5	2	3	5	17	4	1										13	9			
ERYSIPELAS . . . . .	9	5	1	1						2				3	2	1		1				6	3			
INTERMITTENT FEVER . . . . .																										
INFLUENZA . . . . .																										
MEASLES . . . . .		16																								
PURPURA . . . . .																										
PUERPERAL FEVER. . . . .	1	3												1									1			
PYŒMIA . . . . .	3												1	1				1				2	1			
REMITTENT FEVER . . . . .																										
RHEUMATISM . . . . .	4	3											2	1			1					2	2			
SCARLATINA . . . . .	12	18			3		4		7	3			1	1								7	5			
SMALL POX . . . . .		1																								
STPHILIS (CONGENITAL) . . . . .	2	1	2							2												2				
STPHILIS . . . . .		1																								
SEPTICŒMIA . . . . .		3																								
TONSILLITIS, . . . . .		1																								
TYPHOID FEVER. . . . .	4	7											1		2	1						4				
TYPHUS FEVER . . . . .																										
WHOOPING COUGH . . . . .	5	3	2		1	1	1			5												3	2			
YELLOW FEVER . . . . .																										
OTHER ZYMOTIC DISEASES . . . . .		2																								
II. CONSTITUTIONAL.																										
CANCER . . . . .	27	32													7	4	4	4	7	1		7	20			
HYDROCEPHALUS AND TUBERC. MENINGITIS . . . . .	14	26	1	3	4	5	1			14												5	9			
MARASMUS, SCROFULA AND TABES MESENTERICA . . . . .	19	23	4	3	7	1				15	1	1					1	1				9	10			
PHTHISIS PULMONALIS . . . . .	133	117		2	1	2		1		6	2	12	43	34	23	6	5	2				52	81			
OTHER CONSTITUTIONAL DISEASES . . . . .	16	9		2	1					3	1	1	5	3	1	1		1				9	7			

of May, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	AGE.																				SEX.		
	Total Mortality for May, 1886.	Total Mortality for May, 1885.	Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.
III. LOCAL.																							
APOPLEXY . . . . .	28	15												3	5	5	8	6	1			13	15
BRIGHT'S DISEASE . . . . .	18	20				1			1		1		2	4	4	5	1					8	10
BRONCHITIS . . . . .	33	50	3	2	8	3	2	2		20						1	5	4	3			20	13
HEART DISEASE . . . . .	55	53							2	2	5	1	1	2	13	9	15	3	4			26	29
MENINGITIS . . . . .	29	23	1	1	6	8	4			20	1	1	1		2	2	2					18	11
NEPHRITIS . . . . .	6	10									1				1		2	1	1			3	3
PLEURISY . . . . .	1	4												1								1	
PNEUMONIA . . . . .	62	133	1	5	5	5	2	2		20	2		6	6	9	3	6	5	5			36	26
OTHER LOCAL DISEASES . . . . .	110	96	12	7	7	5	1	2		34	1	6	5	7	12	18	8	15	4			62	48
IV. DEVELOPMENTAL.																							
CYANOSIS . . . . .	1	1	1							1												1	
IMANITION . . . . .	2	8	1							1						1						2	
OLD AGE . . . . .	21	24															2	6	10	3		9	12
PREMATURE BIRTH . . . . .	11	16	11							11												6	5
PUERP'L DISEASES (not including Puerp'l Fever)	1	5										1											1
OTHER DEVELOPMENTAL DISEASES . . . . .	20	22	11	2	1					14							4	2				10	10
V. VIOLENT.																							
ACCIDENTAL . . . . .	34	24						1	1	2	2	1	4	7	6	4	4	3	1			26	8
HOMICIDAL . . . . .																							
SUICIDAL . . . . .	2	4														2						2	
OTHER VIOLENT CAUSES . . . . .																							
UNKNOWN CAUSES . . . . .	2	2			1					1					1							1	1
TOTAL FROM ALL CAUSES . . . . .	737	838	63	29	44	43	14	16	9	218	23	25	72	81	87	65	73	59	31	3		375	392
TOTAL FROM ZYMOTIC DISEASES . . . . .	92	121	17	1	5	12	4	8	6	53	7	1	6	9	6	5	2	2	1			49	43
“ “ CONSTITUTIONAL DISEASES . . . . .	209	207	5	10	12	9	1	1		38	4	14	48	44	28	11	10	11	1			82	127
“ “ LOCAL do. . . . .	342	404	17	15	26	22	9	6	2	97	10	9	13	21	46	42	51	35	18			187	155
“ “ DEVELOPMENTAL do. . . . .	56	76	24	2	1					27			1			1	6	8	10	3		28	28
“ “ VIOLENT CAUSES . . . . .	36	28						1	1	2	2	1	4	7	6	6	4	3	1			25	8

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of May, 1886, and for the corresponding month in 1885.

CASES REPORTED DURING MAY, 1886.			CASES REPORTED DURING MAY, 1885.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria . . . . .	73	....	Diphtheria . . . . .	101	....
Measles . . . . .	134	....	Measles . . . . .	331	1
Small Pox . . . . .	....	....	Small Pox . . . . .	2	1
Scarlatina . . . . .	115	....	Scarlatina . . . . .	160	....
Typhoid Fever . . . . .	29	....	Typhoid Fever . . . . .	20	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

# METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of May, 1886, as reported by OTTO B. COLE, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	29.954	49.0	63.7	S.E.	.00	Mean Barometer, 29.900.
2	29.973	44.4	71.7	E.	.00	Highest Barometer, 30.348 on 18th.
3	30.036	52.0	64.7	S.E.	.00	Lowest Barometer, 29.459 on 23th.
4	29.933	61.0	49.3	W.	—	Monthly Range of Barometer, .889.
5	29.790	64.1	66.0	W.	.13	Mean Temperature, 56.2.
6	29.899	59.2	57.3	W.	.00	Highest Temperature, 85.2 on 30th.
7	29.900	58.4	62.3	W.	.00	Lowest Temperature, 38.1 on 3d.
8	29.748	48.2	98.7	E.	1.42	Monthly Range of Temperature, 47.1.
9	29.778	58.5	54.7	N.	.03	Greatest Daily Range of Temperature, 38.8, on 4th.
10	30.063	53.9	75.3	S.E.	.07	Least Daily Range of Temperature, 6.1, on 12th.
11	30.056	45.4	92.3	E.	.20	Mean Daily Range of Temperature, 17.1.
12	30.006	45.8	90.0	E.	.00	Mean Daily Dew-point, 44.6.
13	29.967	44.0	96.7	E.	.00	Mean Daily Relative Humidity, 68.0.
14	30.066	47.5	89.3	E.	.01	Prevailing Direction of Wind, W.
15	29.954	48.6	93.3	S.E.	.01	Total Movement of Wind, 8,640 Miles.
16	29.823	56.9	83.0	S.	.89	Highest Velocity of Wind and Direction, 36 Miles per hour, E., on 11th.
17	30.165	54.8	48.0	N.	.00	Number of Foggy Days, 0.
18	30.301	58.8	47.7	S. W.	.00	"    Clear    "    5.
19	30.167	57.7	71.7	S. W.	.00	"    Fair    "    19.
20	29.884	64.6	68.0	S. W.	.04	Number of Cloudy " 7.
21	29.908	64.4	38.0	N. W.	.00	Total Number of Days on which Rain or Snow fell, 0.
22	29.820	63.0	64.3	S. W.	.00	Depth of unmelted Snow on ground at end of month, 0.
23	29.760	68.1	58.7	W.	.00	Dates of Auroras, 0.
24	29.701	60.8	63.0	E.	.00	Dates of Solar Halos, 0.
25	29.522	54.1	75.0	N. W.	.19	Dates of Lunar Halos, 0.
26	29.647	51.5	49.0	N. W.	.02	Thunder Storm, 20th, 30th.
27	29.670	55.3	66.7	W.	.02	Dates of Frosts, 1st.
28	29.775	58.1	69.7	N.	.00	
29	29.585	63.2	54.7	N. W.	.00	
30	29.790	72.3	52.7	W.	.00	
31	29.933	60.2	74.3	S.E.	.05	
TOTALS .....	926.914	1743.8	2109.8		3.08	
MEANS .....	29.900	56.3	68.1		.099	

1871 . . . . .	57.9	1879 . . . . .	59.9
1872 . . . . .	58.3	1880 . . . . .	62.6
1873 . . . . .	55.6	1881 . . . . .	54.9
1874 . . . . .	56.9	1882 . . . . .	49.8
1875 . . . . .	57.8	1883 . . . . .	55.5
1876 . . . . .	54.7	1884 . . . . .	53.8
1877 . . . . .	55.2	1885 . . . . .	52.3
1878 . . . . .	55.7	1886 . . . . .	56.2

	Inches.		Inches.
1871 . . . . .	4.34	1879 . . . . .	.97
1872 . . . . .	3.29	1880 . . . . .	1.03
1873 . . . . .	5.16	1881 . . . . .	4.16
1874 . . . . .	3.70	1882 . . . . .	6.05
1875 . . . . .	2.40	1883 . . . . .	5.11
1876 . . . . .	2.70	1884 . . . . .	3.31
1877 . . . . .	3.38	1885 . . . . .	4.26
1878 . . . . .	1.03	1886 . . . . .	3.08

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of June, 1886.

With an enumeration of the more prominent causes ; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M. D.,  
*Chairman.*

Deaths during the month of June, 1886, . . . . .	637
Population estimated at 400,000.	Rate per 1,000 inhabitants, 19.1

Total number . . . . .	637	NATIVITY.	
SEX.		United States . . . . .	391
Males . . . . .	313	Ireland . . . . .	148
Females . . . . .	324	England . . . . .	9
CONDITION.		Scotland . . . . .	7
Married . . . . .	217	Germany . . . . .	10
Single . . . . .	336	British America . . . . .	45
Widows . . . . .	64	Other Countries . . . . .	13
Widowers . . . . .	16	Unknown . . . . .	14
Unknown . . . . .	4	PARENTAGE.	
COLOR.		United States . . . . .	162
White . . . . .	610	Irish . . . . .	253
Colored . . . . .	27	English . . . . .	13
Total deaths of children	{	Under 1 year . . . . .	102
		Under 2 years . . . . .	130
		Under 5 years . . . . .	173
Diarrhœal diseases	{	Under 1 year . . . . .	14
		Under 2 years . . . . .	15
		Under 5 years . . . . .	17
		All ages . . . . .	21
		Still-births during the month . . . . .	38



# Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for June, 1886.	Total Mortality for June, 1885.	AGE.																		SEX.			
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 yr.	1 yr. and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM . . . . .	5	3											1									1	1	
CROUP . . . . .	7	13				3	2	1	6	1											4	3		
CARBUNCLE . . . . .		1																						
CHOLERA MORBUS . . . . .	1	2								1											1			
CHOLERA INFANTUM . . . . .	5	16	2	2	1				5												4	1		
CEREBRO-SPINAL MENINGITIS . . . . .		2																						
CONGESTIVE FEVER . . . . .																								
DIARRHŒA . . . . .	12	20	7	3		1			11					1							6	6		
DYSENTERY . . . . .	3	4			1				1		1						1				3			
DIPHTHERIA . . . . .	30	25			1	1	4	5	6	17	10	2	1								9	21		
ERYSIPELAS . . . . .	2	2											1			1					1	1		
INTERMITTENT FEVER . . . . .		1																						
INFLUENZA . . . . .																								
MEASLES . . . . .	3	14			3				3												2	1		
PURPURA . . . . .	2													1			1					2		
PUERPERAL FEVER . . . . .	1	1											1									1		
PYŒMIA . . . . .		1																						
REMITTENT FEVER . . . . .		1																						
RHEUMATISM . . . . .	3	3												2		1						3		
SCARLATINA . . . . .	4	16			1	1		1	3	1											3	1		
SMALL POX . . . . .																								
SYPHILIS (CONGENITAL) . . . . .	1	3	1						1													1		
SYPHILIS . . . . .	1	1												1								1		
SEPTICŒMIA . . . . .	1	1											1									1		
TONSILLITIS . . . . .		1																						
TYPHOID FEVER . . . . .	6	8						1	1	2	1	1									4	1		
TYPHUS FEVER . . . . .																								
WHOOPING COUGH . . . . .	3	4		1	1	1			3												1	2		
YELLOW FEVER . . . . .																								
OTHER ZYMOTIC DISEASES . . . . .		1																						
II. CONSTITUTIONAL.																								
CANCER . . . . .	26	18												5	6	11	2	2			5	21		
HYDROCEPHALUS AND TUBERC. MENINGITIS . . . . .	14	11	3		1	3	1	2	1	11	1	2									7	7		
MARASMUS, SCROFULA AND TABES MESENTERICA . . . . .	17	23	8	2	3		1			14	1							2			9	8		
PHTHISIS PULMONALIS . . . . .	130	122		1	2	1		2		6	3	13	37	38	13	10	6	4			62	68		
OTHER CONSTITUTIONAL DISEASES . . . . .	12	12				1			1	2			3	2	2	1	1	1			9	3		

of June, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	AGE.																				SEX.		
	Total Mortality for June, 1886.	Total Mortality for June, 1885.																			Males.	Females.	
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.			100 years and over.
III. LOCAL.																							
Apoplexy . . . . .	16	16											1	2	1	6	3	2	1			8	8
Bright's Disease . . . . .	8	16											1	2	1		2	1		1		3	5
Bronchitis . . . . .	15	30	2	2	2	3		1	1	11					1		2	4				11	7
Heart Disease . . . . .	40	50	1							1	2	2	2	2	6	7	10	7	1			19	21
Meningitis . . . . .	19	24		1	2	3	3	1		10	2	1	2		1	2	1					9	10
Nephritis . . . . .	9	10				1				1				1	1	4	1					6	3
Pleurisy . . . . .	3	1		1						1			1				1					2	1
Pneumonia . . . . .	39	49	1			1	1	1		4		1	4	9	3	4	5	2	7			24	15
OTHER LOCAL DISEASES . . . . .	109	100	8	5	3	4		2	1	23	1	4	5	17	15	9	10	19	6			45	64
IV. DEVELOPMENTAL.																							
Cyanosis . . . . .	4	6	4							4												2	2
Inanition . . . . .		7																					
Old Age . . . . .	16	21														1	7	8				5	11
Premature Birth . . . . .	15	9	15							15												7	8
Puerp'l Diseases (not including Puerp'l Fever)	3	3											1	1	1								3
OTHER DEVELOPMENTAL DISEASES . . . . .	18	12	13				1			14							1	3				10	8
V. VIOLENT.																							
Accidental . . . . .	25	26		1				1		2	2	3	4	4	5	2	2	1				23	2
Homicidal . . . . .	1	1	1							1												1	
Suicidal . . . . .	4	2											1			2		1				4	
OTHER VIOLENT CAUSES . . . . .																							
UNKNOWN CAUSES . . . . .	5	2	2							2			1	1		1						3	2
TOTAL FROM ALL CAUSES . . . . .	637	715	68	19	15	28	15	16	12	173	27	32	69	88	56	62	49	54	27			313	324
TOTAL FROM ZYMOTIC DISEASES . . . . .																							
" " CONSTITUTIONAL DISEASES . . . . .	86	144	10	6	2	11	8	6	8	51	15	4	5	5	1	2	1	2				39	47
" " LOCAL do. . . . .	199	186	11	3	6	5	2	4	2	33	5	15	40	45	21	22	9	9				92	107
" " DEVELOPMENTAL do. . . . .	261	296	12	9	7	12	4	5	2	51	5	10	17	32	28	34	34	34	16			127	134
" " VIOLENT CAUSES . . . . .	56	58	32				1			33			1	1	1		2	7	11			24	32
" " . . . . .	30	29	1	1				1		3	2	3	5	4	5	4	2	2				23	2

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of June, 1886, and for the corresponding month in 1885.

CASES REPORTED DURING JUNE, 1886.			CASES REPORTED DURING JUNE, 1885.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria . . . . .	95	....	Diphtheria . . . . .	108	....
Measles . . . . .	77	2	Measles . . . . .	285	....
Small Pox . . . . .	....	....	Small Pox . . . . .		....
Scarlatina . . . . .	99	....	Scarlatina . . . . .	135	....
Typhoid Fever . . . . .	28	....	Typhoid Fever . . . . .	25	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

# METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of June, 1886, as reported by OTTO B. COLE, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	30.109	60.2	63.0		.00	Mean Barometer, 29.964.
2	29.998	65.7	69.7	S. W.	.00	Highest Barometer, 30.273.
3	29.843	63.2	68.7	S. W.	. 9	Lowest Barometer, 29.443.
4	30.069	58.4	63.7	W.	.00	Monthly Range of Barometer, 0.830.
5	30.061	62.2	53.7	S. W.	1.00	Mean Temperature, 63.1.
6	30.102	62.7	65.7	W.	.00	Highest Temperature, 81.7.
7	30.065	63.0	70.0	W.	.01	Lowest Temperature, 50.1.
8	30.001	66.0	47.7	N. W.	.00	Monthly Range of Temperature, 31.6.
9	29.901	67.6	58.3	W.	.01	Greatest Daily Range of Temperature, 25.4.
10	29.074	65.8	73.7	W.	. 5	Least Daily Range of Temperature, 2.3.
11	29.884	60.0	84.7	E.	.00	Mean Daily Range of Temperature, 15.2.
12	30.125	57.1	77.0	E.	.00	Mean Daily Dew-point, 52.0.
13	30.104	53.5	97.0	S. E.	.24	Mean Daily Relative Humidity, 70.6.
14	30.060	54.1	91.0	E.	.06	Prevailing Direction of Wind, W.
15	30.000	55.7	94.0	E.	.17	Total Movement of Wind, 7,206 Miles.
16	29.805	63.6	87.7	S. E.	.00	Highest Velocity of Wind and Direction, 27 Miles per hour, W.
17	29.529	70.6	86.0	S. W.	.02	Number of Foggy Days, 0.
18	29.773	64.7	50.7	W.	.00	“ Clear “ 9.
19	30.115	58.3	58.7	N.	.00	“ Fair “ 12.
20	30.205	64.5	52.0	N.	.00	Number of Cloudy “ 9.
21	30.234	69.7	55.7	W.	.00	Total Number of Days on which Rain or Snow fell, 12.
22	30.073	69.6	60.7	W.	.00	Depth of unmelted Snow on ground at end of month, 0.
23	29.948	61.9	85.7	E.	.03	Dates of Auroras, 5th, 29th and 30th.
24	29.950	59.6	98.7	E.	.11	Dates of Solar Halos, 11th.
25	29.847	61.4	93.4	E.	.11	Dates of Lunar Halos, 22d.
26	29.685	68.7	70.7	S. W.	.00	Thunder Storm, 0.
27	29.791	67.0	65.7	W.	.00	Dates of Frosts, 0.
28	29.988	60.4	77.7	S.	.02	
29	29.882	71.1	56.3	W.	.00	
30	30.112	66.9	39.0	N. W.	.00	
TOTALS .....	898.933	1892.3	2117.5		1.34	
MEANS .....	29.964	63.1	70.6		0.045	

COMPARATIVE TEMPERATURE.			
1871 . . . . .	65.9	1879 . . . . .	64.1
1872 . . . . .	68.2	1880 . . . . .	67.3
1873 . . . . .	67.8	1881 . . . . .	60.6
1874 . . . . .	66.1	1882 . . . . .	65.9
1875 . . . . .	67.1	1883 . . . . .	69.0
1876 . . . . .	68.1	1884 . . . . .	66.9
1877 . . . . .	66.8	1885 . . . . .	66.4
1878 . . . . .	64.1	1886 . . . . .	63.1

COMPARATIVE PRECIPITATIONS.			
Inches.		Inches.	
1871 . . . . .	5.47	1879 . . . . .	6.24
1872 . . . . .	4.84	1880 . . . . .	0.75
1873 . . . . .	0.54	1881 . . . . .	7.79
1874 . . . . .	3.94	1882 . . . . .	1.03
1875 . . . . .	7.25	1883 . . . . .	2.07
1876 . . . . .	1.72	1884 . . . . .	4.01
1877 . . . . .	3.21	1885 . . . . .	3.70
1878 . . . . .	2.23	1886 . . . . .	1.34

# OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

## Statement of Mortality for the month of July, 1886.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M. D.,

*Chairman.*

Deaths during the month of July, 1886, . . . . . 889

Population estimated at 400,000. . . . . Rate per 1,000 inhabitants, 26.6

Total number . . . . . 889

### SEX.

Males . . . . . 467

Females . . . . . 422

### CONDITION.

Married . . . . . 212

Single . . . . . 591

Widows . . . . . 59

Widowers . . . . . 25

Unknown . . . . . 2

### COLOR.

White . . . . . 863

Colored . . . . . 26

Total deaths of children	{ Under 1 year . . . . .	317
	{ Under 2 years . . . . .	381
	{ Under 5 years . . . . .	430

Diarrhoeal diseases	{ Under 1 year . . . . .	164
	{ Under 2 years . . . . .	189
	{ Under 5 years . . . . .	194
	{ All ages . . . . .	217

### NATIVITY.

United States . . . . . 632

Ireland . . . . . 167

England . . . . . 5

Scotland . . . . . 7

Germany . . . . . 20

British America . . . . . 36

Other Countries . . . . . 17

Unknown . . . . . 5

### PARENTAGE.

United States . . . . . 217

Irish . . . . . 336

English . . . . . 19

Scotch . . . . . 8

German . . . . . 32

British American . . . . . 50

Other Countries . . . . . 75

Mixed . . . . . 88

Unknown . . . . . 64

Still-births during the month . . . . . 46



# Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for July, 1886.	Total Mortality for July, 1885.	AGE.																			SEX.		
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 yr.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM . . . . .	1	4											1									1		
CROUP . . . . .	7	8	1	1			1	2	1	6	1											4	3	
CARBUNCLE . . . . .		1																						
CHOLERA MORBUS . . . . .	6	15													3	2		1				2	4	
CHOLERA INFANTUM . . . . .	170	226	27	44	72	22	3	1		169	1											94	76	
CEREBRO-SPINAL MENINGITIS . . . . .	2	2			1	1				2												2		
CONGESTIVE FEVER . . . . .																								
DIARRHŒA . . . . .	27	27	10	3	6	1				20		1				2	3	1				17	10	
DYSENTERY . . . . .	14	11		1	1	2		1		5	1	2			1		1	3	1			5	9	
DIPHTHERIA . . . . .	22	23				2	6	1	6	15	7											9	13	
ERYSIPELAS . . . . .		1																						
INTERMITTENT FEVER . . . . .																								
INFLUENZA . . . . .																								
MEASLES . . . . .	2	11					1		1	2												2		
PURPURA . . . . .	1	1											1										1	
PUERPERAL FEVER . . . . .	1	2											1										1	
PYŒMIA . . . . .	2							1		1			1									1	1	
REMITTENT FEVER . . . . .																								
RHEUMATISM . . . . .	1	1										1											1	
SCARLATINA . . . . .	1	13				1				1													1	
SMALL POX . . . . .																								
SYPHILIS (CONGENITAL) . . . . .	1		1							1												1		
SYPHILIS . . . . .	1	1												1								1		
SEPTICŒMIA . . . . .	3												1	1	1								3	
TONSILLITIS, . . . . .																								
TYPHOID FEVER . . . . .	10	16										4	3		2	1						7	3	
TYPHUS FEVER . . . . .																								
WHOOPING COUGH . . . . .	4	1	1		1	1				3	1												4	
YELLOW FEVER . . . . .																								
OTHER ZYMOTIC DISEASES . . . . .																								
II. CONSTITUTIONAL.																								
CANCER . . . . .	26	29											2	1	7	3	6	4	3			10	16	
HYDROCEPHALUS AND TUBERC. MENINGITIS . .	19	24	1	2	5	5	1	2	1	17	2											14	5	
MARASMUS, SCROFULA AND TABES MESENTERICA	48	38	20	9	5	6	1			41	1			1		1	3		1			19	29	
PHTHISIS PULMONALIS . . . . .	130	129			2		1			3		9	41	41	19	9	5	2	1			72	58	
OTHER CONSTITUTIONAL DISEASES . . . . .	12	13				1				1		1	4	5	1							5	7	

of July, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	AGE.																				SEX.		
	Total Mortality for July, 1886.	Total Mortality for July, 1885.																	Males.	Females.			
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.			80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.
III. LOCAL.																							
Apoplexy . . . . .	21	24													1	4	3	6	7			10	11
Bright's Disease . . . . .	11	16									1	1	2	2	1	3	1					6	5
Bronchitis . . . . .	18	22		6	2	1	2	1	12					1			2	2		1		9	9
Heart Disease . . . . .	27	43			2				2				1	1	3	6	8	5	1			16	11
Meningitis . . . . .	22	34	1	3	7	5		1	2	19		1	1	1								8	14
Nephritis . . . . .	13	7										1	1		4	3	2	1	1			5	5
Pleurisy . . . . .	1	3										1										1	
Pneumonia . . . . .	33	32	1	2		5		2	1	14	1		4	4	3	2	1	4				21	12
Other Local Diseases . . . . .	130	108	12	9	15	7	3	1	1	48	6	5	6	4	15	16	16	9	3	2		62	68
IV. DEVELOPMENTAL.																							
Cyanosis . . . . .	2	4	1	1					2													1	1
Inanition . . . . .	8	6	4	2	1	1			8													4	4
Old Age . . . . .	22	18															2	11	8	1		12	10
Premature Birth . . . . .	19	15	18		1				19													10	9
Puerp'l Diseases (not including Puerp'l Fever)	2	3											2										2
Other Developmental Diseases . . . . .	20	20	12		3	1			16						1	1	1	1				10	10
V. VIOLENT.																							
Accidental . . . . .	27	43				2			1	3	2	2	5	4	5	2	2	2				21	6
Homicidal . . . . .	1	1													1							1	
Suicidal . . . . .	1	6												1								1	
Other Violent Causes . . . . .																							
Unknown Causes . . . . .		2																					
TOTAL FROM ALL CAUSES . . . . .	889	1004	110	83	124	64	22	13	14	430	24	29	75	70	64	56	58	31	28	4		467	422
TOTAL FROM ZYMOTIC DISEASES . . . . .																							
" " Constitutional Diseases . . . . .	276	364	40	49	81	30	11	6	8	225	11	8	8	2	4	6	6	4	2			146	130
" " Local do. . . . .	235	233	21	11	12	12	3	2	1	62	3	10	47	48	27	13	14	6	5			120	115
" " Developmental do. . . . .	276	289	14	20	26	18	8	5	4	95	8	9	15	13	27	34	33	27	12	3		141	135
" " Violent Causes . . . . .	73	66	35	3	5	2				45				2		1	3	12	9	1		37	36
" " . . . . .	29	50				2			1	3	2	2	5	5	6	2	2	2				23	6

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of July, 1886, and for the corresponding month in 1885.

CASES REPORTED DURING JULY, 1886.			CASES REPORTED DURING JULY, 1885.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria . . . . .	75	....	Diphtheria . . . . .	85	....
Measles . . . . .	74	....	Measles . . . . .	110	....
Small Pox . . . . .	....	....	Small Pox . . . . .	....	....
Scarlatina . . . . .	85	....	Scarlatina . . . . .	85	....
Typhoid Fever . . . . .	52	....	Typhoid Fever . . . . .	54	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

# METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of July, 1886, as reported by J. H. MELTON, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	30.165	69.7	49.0	W.	.00	Mean Barometer, 29.919.
2	30.058	69.9	53.7	W.	.00	Highest Barometer, 30.207.
3	29.991	72.3	62.0	E.	.00	Lowest Barometer, 29.668.
4	30.115	67.2	77.0	E.	.00	Monthly Range of Barometer, .541.
5	30.133	68.0	79.7	E.	.00	Mean Temperature, 70.8.
6	29.999	81.8	56.7	W.	.00	Highest Temperature, 95.4.
7	29.748	84.2	49.7	W.	.00	Lowest Temperature, 54.5.
8	29.957	72.7	58.0	N.	.00	Monthly Range of Temperature, 40.9.
9	30.050	66.9	65.3	N.	.00	Greatest Daily Range of Temperature, 31.3.
10	29.875	62.7	84.3	E.	—	Least Daily Range of Temperature, 4.1.
11	29.774	70.2	54.3	W.	.00	Mean Daily Range of Temperature, 60.6.
12	29.889	67.6	50.7	N.	.00	Mean Daily Dew-point, 59.4.
13	29.998	67.1	67.7	S.	.00	Mean Daily Relative Humidity, 69.8.
14	30.040	63.8	87.0	E.	—	Prevailing Direction of Wind, W.
15	29.922	70.6	68.7	W.	.99	Total Movement of Wind, 6,969 Miles.
16	29.907	71.7	88.7	S.	.24	Highest Velocity of Wind and Direction, 27.5 Miles per hour, W.
17	29.892	73.0	81.3	S.	.02	Number of Foggy Days, 0.
18	29.880	72.5	76.0	W.	.00	“ Clear “ 12.
19	29.748	71.6	67.0	W.	.00	“ Fair “ 14.
20	29.712	68.4	68.0	W.	.00	Number of Cloudy “ 5.
21	29.791	66.6	71.0	S.	.00	Total Number of Days on which Rain or Snow fell, 10.
22	29.836	71.9	57.0	W.	.00	Depth of unmelted Snow on ground at end of month, 0.
23	30.035	65.8	72.0	N.	.00	Dates of Auroras, 27th and 28th.
24	30.057	69.5	66.3	N.	.00	Dates of Solar Halos, 0.
25	29.982	69.1	74.0	W.	.00	Dates of Lunar Halos, 21st and 25th.
26	29.846	72.8	83.3	W.	.06	Thunder Storm, 15th and 30th.
27	29.713	71.5	87.3	W.	.19	Dates of Frosts, 0.
28	29.802	70.9	72.3	S.	.00	
29	29.832	77.0	68.7	W.	.06	
30	29.840	77.8	78.0	W.	.23	
31	29.927	69.8	78.3	W.	.02	
TOTALS.....	927.494	2194.6	2163.0		1.81	
MEANS .....	29.919	70.8	69.8		.058	

COMPARATIVE TEMPERATURE.			
1871 . . . . .	70.8	1879 . . . . .	70.0
1872 . . . . .	74.7	1880 . . . . .	70.1
1873 . . . . .	73.0	1881 . . . . .	68.5
1874 . . . . .	72.8	1882 . . . . .	71.7
1875 . . . . .	71.4	1883 . . . . .	71.3
1876 . . . . .	73.8	1884 . . . . .	68.8
1877 . . . . .	70.1	1885 . . . . .	71.3
1878 . . . . .	72.9	1886 . . . . .	70.8

COMPARATIVE PRECIPITATIONS.			
Inches.		Inches.	
1871 . . . . .	3.24	1879 . . . . .	3.09
1872 . . . . .	4.00	1880 . . . . .	6.86
1873 . . . . .	3.84	1881 . . . . .	2.96
1874 . . . . .	3.47	1882 . . . . .	3.91
1875 . . . . .	3.93	1883 . . . . .	2.73
1876 . . . . .	5.86	1884 . . . . .	4.25
1877 . . . . .	2.27	1885 . . . . .	1.44
1878 . . . . .	4.15	1886 . . . . .	1.81

# OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

## Statement of Mortality for the month of August, 1886.

With an enumeration of the more prominent causes ; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M. D.,  
*Chairman.*

Deaths during the month of August, 1886, . . . . .	866
Population estimated at 400,000.	Rate per 1,000 inhabitants, 25.9

Total number . . . . . 866

### SEX.

Males . . . . . 441

Females . . . . . 425

### CONDITION.

Married . . . . . 205

Single . . . . . 558

Widows . . . . . 72

Widowers . . . . . 25

Unknown . . . . . 6

### COLOR.

White . . . . . 845

Colored . . . . . 21

Total deaths of children	{	Under 1 year . . . . .	305
		Under 2 years . . . . .	353
		Under 5 years . . . . .	393

Diarrhœal diseases	{	Under 1 year . . . . .	155
		Under 2 years . . . . .	177
		Under 5 years . . . . .	184
		All ages . . . . .	202

### NATIVITY.

United States . . . . . 614

Ireland . . . . . 162

England . . . . . 17

Scotland . . . . . 5

Germany . . . . . 13

British America . . . . . 36

Other Countries . . . . . 8

Unknown . . . . . 11

### PARENTAGE.

United States . . . . . 198

Irish . . . . . 322

English . . . . . 17

Scotch . . . . . 14

German . . . . . 30

British American . . . . . 47

Other Countries . . . . . 60

Mixed . . . . . 96

Unknown . . . . . 82

Still-births during the month . . . . . 63



# Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for August, 1886.	Total Mortality for August, 1885.	AGE.																		SEX.			
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM . . . . .		6																						
CROUP . . . . .	5	4			2	1	1			4	1											3	2	
CARUNCLE . . . . .																								
CHOLERA MORBUS . . . . .	9	9			1		1			2	2			1		1	2		1			4	5	
CHOLERA INFANTUM . . . . .	151	135	45	41	45	17	2			150	1											88	63	
CEREBRO-SPINAL MENINGITIS . . . . .																								
CONGESTIVE FEVER . . . . .																								
DIARRHŒA . . . . .	29	23	5	7	7	4	2			25				1		1		1	1			9	20	
DYSENTERY . . . . .	13	21	1	1	2	1	1		1	7				3			1	2				6	7	
DIPHTHERIA . . . . .	27	11	1	1		4	3	2	5	16	7	4										15	12	
ERYSIPELAS . . . . .	1																1						1	
INTERMITTENT FEVER . . . . .																								
INFLUENZA . . . . .																								
MEASLES . . . . .	4	2			2	2				4												1	3	
PURPURA . . . . .																								
PURPERAL FEVER . . . . .																								
PYEMIA . . . . .		3																						
REMITTENT FEVER . . . . .	1																1						1	
RHEUMATISM . . . . .	2	1															2					2		
SCARLATINA . . . . .	3	9					2	1		3												1	2	
SMALL POX . . . . .																								
SYPHILIS (CONGENITAL) . . . . .	1	1	1							1												1		
SYPHILIS . . . . .		2																						
SEPTICÆMIA . . . . .	3	2											1	2								1	2	
TONSILLITIS . . . . .																								
TYPHOID FEVER . . . . .	18	14										3	9	3	1	2						9	9	
TYPHUS FEVER . . . . .																								
WHOOPING COUGH . . . . .	3	1		1			2			3													3	
YELLOW FEVER . . . . .																								
OTHER ZYMOTIC DISEASES . . . . .		1																						
II. CONSTITUTIONAL.																								
CANCER . . . . .	26	20										1		5	6	4	7	3				11	15	
HYDROCEPHALUS AND TUBERC. MENINGITIS . . . . .	10	14	2		1	3		2	1	9	1											6	4	
MARASMUS, SCROFULA AND TABES MESENTERICA . . . . .	61	52	20	12	9	1	2	1		45					1		1	1	3			22	29	
PHTHISIS PULMONALIS . . . . .	134	123		1	1	1				3	1	8	45	32	27	8	8	2				71	63	
OTHER CONSTITUTIONAL DISEASES . . . . .	6	11				1			1	2		1		1	1		1					3	3	

of August, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	AGE.																				SEX.		
	Total Mortality for August, 1886.	Total Mortality for August, 1885.																			Males.	Females.	
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.			100 years and over.
III. LOCAL.																							
APoplexy . . . . .	24	13				1			1				1	1	1	2	8	5	5	1		10	14
BRIGHT'S DISEASE . . . . .	11	13									1	1	1	1		2	3	1	1		7		
BRONCHITIS . . . . .	17	13	4	2	1	3	1			11				1	1	2	1		1		12	5	
HEART DISEASE . . . . .	38	44		1						1		4	4	3	4	7	6	4	4	1	13	25	
MENINGITIS . . . . .	17	18	1	2	6		1	1	1	12	1	1	1				2				8	9	
NEPHRITIS . . . . .	9	12			1					1						3	2	3			5	4	
PLEURISY . . . . .	1	1													1							1	
PNEUMONIA . . . . .	27	17		2	3	2		2		9	2		1	3	4	3	4	1			17	10	
OTHER LOCAL DISEASES . . . . .	111	136	11	10	12	6		2		41		4	7	12	10	14	13	9	1		56	55	
IV. DEVELOPMENTAL.																							
CYANOSIS . . . . .	2	3	2							2											2		
INANITION . . . . .	6	6	4	1	1					6											2	4	
OLD AGE . . . . .	22	21															3	4	10	4	1	2	20
PREMATURE BIRTH . . . . .	10	14	10							10											5	5	
PUERP'L DISEASES (not including Puerp'l Fever)	6	7											4	2									6
OTHER DEVELOPMENTAL DISEASES . . . . .	25	27	15	2	2	1				20						1	3		1		12	13	
V. VIOLENT.																							
ACCIDENTAL . . . . .	37	34					1	1		2	2	6	5	8	8	1	1	1	2	1		34	3
HOMICIDAL . . . . .	1	1	1							1													1
SUICIDAL . . . . .	2	4											1	1							2		
OTHER VIOLENT CAUSES . . . . .																							
UNKNOWN CAUSES . . . . .	3	2	2							2			1								1		2
TOTAL FROM ALL CAUSES . . . . .	868	852	125	84	96	48	10	12	9	393	19	33	81	80	69	58	66	34	26	6	1	441	425
TOTAL FROM ZYMOTIC DISEASES . . . . .	270	246	53	51	59	29	14	3	6	215	11	7	10	10	1	6	5	9	2			140	130
“ “ CONSTITUTIONAL DISEASES . . . . .	227	220	22	13	11	6	2	3	2	59	2	10	45	38	35	12	17	6	3			113	114
“ “ LOCAL do. . . . .	255	267	16	17	23	12	2	5	1	76	4	10	15	21	25	38	37	20	8	1		128	127
“ “ DEVELOPMENTAL do. . . . .	71	78	31	3	3	1				38			4	2		1	6	4	11	4	1	23	48
“ “ VIOLENT CAUSES . . . . .	40	39	1				1	1		3	2	6	6	9	8	1	1	1	2	1		36	4

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of August, 1886, and for the corresponding month in 1885.

CASES REPORTED DURING AUGUST, 1886.			CASES REPORTED DURING AUGUST, 1885.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria . . . . .	78	....	Diphtheria . . . . .	54	....
Measles . . . . .	38	1	Measles . . . . .	33	....
Small Pox . . . . .	....	....	Small Pox . . . . .	....	....
Scarlatina . . . . .	52	....	Scarlatina . . . . .	56	....
Typhoid Fever . . . . .	136	....	Typhoid Fever . . . . .	111	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

# METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of August, 1886, as reported by O. B. COLE, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	29.822	69.9	85.0	W.	.00	Mean Barometer, 29.948.
2	29.518	72.5	62.3	N.W.	.25	Highest Barometer, 30.364, on 20th.
3	29.677	60.4	64.7	W.	—	Lowest Barometer, 29.467, on 2d.
4	29.919	69.0	50.0	N.W.	.00	Monthly Range of Barometer, .897.
5	30.011	67.6	60.7	W.	.09	Mean Temperature, 67.7.
6	30.020	65.3	81.3	W.	.40	Highest Temperature, 90.4, on 27th.
7	30.024	61.7	92.0	E.	.22	Lowest Temperature, 49.3, on 23d.
8	30.105	64.7	80.0	E.	.75	Monthly Range of Temperature, 41.1.
9	30.265	73.6	69.0	W.	.00	Greatest Daily Range of Temperature, 32.0, on 23d.
10	30.102	74.6	61.3	W.	.00	Least Daily Range of Temperature, 7.3, on 25th.
11	29.761	73.1	71.3	W.	.00	Mean Daily Range of Temperature, 17.1.
12	29.768	77.0	58.0	W.	.15	Mean Daily Dew-point, 57.3.
13	29.916	74.4	60.0	W.	.10	Mean Daily Relative Humidity, 71.7.
14	29.684	73.5	69.0	S.W.	.32	Prevailing Direction of Wind, W.
15	29.981	65.7	48.0	N.W.	.00	Total Movement of Wind, 7,152 Miles.
16	29.905	67.5	62.7	N.W.	.05	Highest Velocity of Wind and Direction, 34 Miles per hour, W., on 3d.
17	29.875	59.9	83.0	E.	.43	Number of Foggy Days, 1.
18	30.138	61.8	74.7	E.	.00	"    Clear    "    13.
19	30.242	61.5	73.3	W.	.00	"    Fair    "    15.
20	30.330	61.6	68.0	S.E.	.00	Number of Cloudy " 3.
21	30.256	62.0	69.0	S.E.	.00	Total Number of Days on which Rain or Snow fell, 0.
22	30.015	59.3	67.3	E.	.00	Depth of unmelted Snow on ground at end of month, 0.
23	29.903	63.8	66.0	W.	.00	Dates of Auroras, 23d.
24	29.065	71.7	71.3	S.W.	.00	Dates of Solar Halos, 0.
25	30.023	62.1	85.7	N.E.	.02	Dates of Lunar Halos, 0.
26	29.914	71.7	66.7	N.W.	.00	Thunder Storm, 12th.
27	29.889	76.8	66.7	W.	.00	Dates of Frosts, 0.
28	29.846	72.0	78.3	S.E.	.00	
29	29.922	65.5	86.7	E.	.00	
30	29.860	65.3	97.7	E.	.08	
31	29.738	67.9	89.0	N.	.88	
TOTALS .....	928.394	2008.4	2223.7		3.64	
MEANS .. ....	29.948	67.7	71.7	W.	.117	

COMPARATIVE TEMPERATURE.			
1871 . . . . .	71.7	1879 . . . . .	68.1
1872 . . . . .	72.4	1880 . . . . .	68.9
1873 . . . . .	68.9	1881 . . . . .	69.5
1874 . . . . .	68.1	1882 . . . . .	69.7
1875 . . . . .	70.6	1883 . . . . .	67.6
1876 . . . . .	69.8	1884 . . . . .	68.3
1877 . . . . .	71.0	1885 . . . . .	67.4
1878 . . . . .	67.8	1886 . . . . .	67.7

COMPARATIVE PRECIPITATIONS.			
Inches.		Inches.	
1871 . . . . .	3.06	1879 . . . . .	6.71
1872 . . . . .	10.68	1880 . . . . .	2.90
1873 . . . . .	6.21	1881 . . . . .	1.23
1874 . . . . .	6.67	1882 . . . . .	1.46
1875 . . . . .	3.50	1883 . . . . .	0.39
1876 . . . . .	1.23	1884 . . . . .	5.01
1877 . . . . .	4.49	1885 . . . . .	7.64
1878 . . . . .	7.66	1886 . . . . .	3.64

# OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

## Statement of Mortality for the month of September, 1886.

With an enumeration of the more prominent causes ; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M. D.,  
*Chairman.*

Deaths during the month of September, 1886, . . . . . 825

Population estimated at 400,000.

Rate per 1,000 inhabitants, 24.7

Total number . . . . . 825

### SEX.

Males . . . . . 414

Females . . . . . 411

### CONDITION.

Married . . . . . 223

Single . . . . . 516

Widows . . . . . 62

Widowers . . . . . 17

Unknown . . . . . 7

### COLOR.

White . . . . . 813

Colored . . . . . 12

Total deaths of children	Under 1 year . . . . .	249
	Under 2 years . . . . .	306
	Under 5 years . . . . .	339

Diarrhœal diseases	Under 1 year . . . . .	81
	Under 2 years . . . . .	99
	Under 5 years . . . . .	100
	All ages . . . . .	124

### NATIVITY.

United States . . . . . 565

Ireland . . . . . 160

England . . . . . 13

Scotland . . . . . 9

Germany . . . . . 13

British America . . . . . 38

Other Countries . . . . . 17

Unknown . . . . . 10

### PARENTAGE.

United States . . . . . 213

Irish . . . . . 295

English . . . . . 23

Scotch . . . . . 17

German . . . . . 20

British American . . . . . 44

Other Countries . . . . . 82

Mixed . . . . . 65

Unknown . . . . . 66

Still-births during the month . . . . . 43



# Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for September, 1888.	Total Mortality for September, 1885.	AGE.																SEX.					
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM . . . . .	7	4										1	4	1			1					5	2	
CROUP . . . . .	6	4	1		4		1		6													3	3	
CARBUNCLE . . . . .		1																						
CHOLERA MORBUS . . . . .	7	4														1	2	3	1			3	4	
CHOLERA INFANTUM . . . . .	82	57	12	21	31	17	1		82													37	45	
CEREBRO-SPINAL MENINGITIS . . . . .		2																						
CONGESTIVE FEVER . . . . .																								
DIARRHŒA . . . . .	22	17	9	1	4	1			15							1	5			1		11	11	
DYSENTERY . . . . .	13	12			3				3		2		2	1	2			1	2			6	7	
DIPHTHERIA . . . . .	24	18			1	4	6	3	3	17	6		1									12	12	
ERYSIPELAS . . . . .		1																						
INTERMITTENT FEVER . . . . .																								
INFLUENZA . . . . .																								
MEASLES . . . . .		3																						
PURPURA . . . . .	1													1									1	
PUERPERAL FEVER. . . . .	1													1									1	
PYŒMIA . . . . .	2										1	1										1	1	
REMITTENT FEVER . . . . .	2	1													1		1					2		
RHEUMATISM . . . . .		2																						
SCARLATINA . . . . .	5	5						2	1	3		2										3	2	
SMALL POX . . . . .		1																						
SYPHILIS (CONGENITAL) . . . . .	2	2	1							1	1											2		
SYPHILIS . . . . .																								
SEPTICŒMIA . . . . .	1	2										1											1	
TONSILLITIS, . . . . .	3		2		1				3													1	2	
TYPHOID FEVER. . . . .	25	27						1	1		9	10	3	1	1							12	13	
TYPHUS FEVER . . . . .																								
WHOOPING COUGH . . . . .	4		1		1	1	1		4													1	3	
YELLOW FEVER . . . . .																								
OTHER ZYMOTIC DISEASES . . . . .		1																						
II. CONSTITUTIONAL.																								
CANCER . . . . .	23	20										1	2	6	7	6	1					6	17	
HYDROCEPHALUS AND TUBERC. MENINGITIS . . . . .	17	15	2	1	4	4	3		1	15	1		1									10	7	
MARASMUS, SCROFULA AND TABES MESENTERICA . . . . .	53	33	18	18	11	5				52					1							27	26	
PHTHISIS PULMONALIS . . . . .	134	137	2	2		1	1		6		16	42	35	18	9	7		1				64	70	
OTHER CONSTITUTIONAL DISEASES . . . . .	9	6		1	2	1	1		5			1	1	1	1							3	6	

of September, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for September, 1886.	Total Mortality for September, 1885.	AGE.																			SEX.		
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
III. LOCAL.																								
Apoplexy . . . . .	19	23										1		1	4	7		6				8	11	
Bright's Disease . . . . .	16	10										2	2	2	6	2		2				10	6	
Bronchitis . . . . .	19	32	3	3	2	4			12			1			1	2	2	1				8	11	
Heart Disease . . . . .	40	34								1	4	2	7	6	10	5	3	2				18	22	
Meningitis . . . . .	21	18	3	6	3	4	1		17	2		1		1							15	6		
Nephritis . . . . .	10	6										2		3	3		2					5	5	
Pleurisy . . . . .		2																						
Pneumonia . . . . .	31	31		1	3	4	1		9		1	6	3	1	3	4	3	1				16	15	
Other Local Diseases . . . . .	115	103	20	7	9	5	3		1	45	4	5	10	14	9	3	8	11	6			63	52	
IV. DEVELOPMENTAL.																								
Cyanosis . . . . .	4	7	3		1				4													1	3	
Inanition . . . . .	4	8	3	1					4													1	3	
Old Age . . . . .	29	21															2	10	14	3		12	17	
Premature Birth . . . . .	14	6	13	1					14													10	4	
Puerp'l Diseases (not including Puerp'l Fever)	5	5										1	4										5	
Other Developmental Diseases . . . . .	24	21	11	1	4	1			17						1	2	3	1				14	10	
V. VIOLENT.																								
Accidental . . . . .	19	26						2	2	1	2	1	3	3	3	1	2	1				14	5	
Homicidal . . . . .	1	2													1							1		
Suicidal . . . . .	6	4										1		3	2							6		
Other Violent Causes . . . . .																								
Unknown Causes . . . . .	5	2	2						2				1	1	1							3	2	
TOTAL FROM ALL CAUSES . . . . .	825	736	106	64	79	57	18	6	9	339	17	43	86	83	60	59	55	41	38	4		414	411	
TOTAL FROM ZYMOTIC DISEASES . . . . .	207	164	26	22	40	28	8	6	5	135	8	15	12	11	4	5	9	4	3	1		99	108	
“ “ CONSTITUTIONAL DISEASES . . . . .	236	211	22	22	17	11	5		1	78	1	16	45	38	25	18	13	1	1			110	126	
“ “ LOCAL do. . . . .	271	259	26	17	17	17	5		1	83	7	10	25	26	23	30	28	21	18			143	128	
“ “ DEVELOPMENTAL do. . . . .	80	68	30	3	5	1			39			1	4		1	4	13	15	3			38	42	
“ “ VIOLENT CAUSES . . . . .	26	32						2	2	1	2	2	3	7	5	1	2	1				21	5	

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of September, 1886, and for the corresponding month in 1885.

CASES REPORTED DURING SEPTEMBER, 1886.			CASES REPORTED DURING SEPTEMBER, 1885.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria . . . . .	85	....	Diphtheria . . . . .	64	....
Measles . . . . .	20	....	Measles . . . . .	14	....
Small Pox . . . . .	....	....	Small Pox . . . . .	....	1
Scarlatina . . . . .	43	....	Scarlatina . . . . .	87	....
Typhoid Fever . . . . .	181	....	Typhoid Fever . . . . .	209	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	4

# METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of September, 1886, as reported by O. B. COLE, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	30.142	62.6	55.0	N.	.00	Mean Barometer, 30.117.
2	30.409	59.3	69.7	N.	.00	Highest Barometer, 30.491, on 3d.
3	30.457	60.2	78.3	N.E.	.00	Lowest Barometer, 29.696, on 12th.
4	30.437	59.8	88.3	E.	.00	Monthly Range of Barometer, .795.
5	30.372	62.5	85.7	S.E.	.00	Mean Temperature, 67.2.
6	30.371	67.1	87.3	W.	.00	Highest Temperature, 84.6, on 9th.
7	30.301	74.0	77.8	W.	.00	Lowest Temperature, 41.0, on 22d.
8	30.132	74.2	74.7	W.	.00	Monthly Range of Temperature, 43.6.
9	29.997	75.1	77.0	S.W.	.00	Greatest Daily Range of Temperature, 26.1, on 26th.
10	29.857	64.1	93.3	N.E.	.21	Least Daily Range of Temperature, 4.0, on 23d.
11	29.847	71.7	60.3	N.W.	.00	Mean Daily Range of Temperature, 15.2.
12	29.788	66.4	67.0	S.W.	.10	Mean Daily Dew-point, 53.3.
13	29.898	60.8	54.0	W.	.30	Mean Daily Relative Humidity, 74.6.
14	30.041	65.0	60.7	S.	.00	Prevailing Direction of Wind, W.
15	30.244	62.6	79.7	E.	.00	Total Movement of Wind, 7,680 Miles.
16	30.259	62.8	92.0	E.	.11	Highest Velocity of Wind and Direction, 32 Miles per hour, W., on 20th.
17	30.044	73.3	87.7	S.W.	.09	Number of Foggy Days, 0.
18	30.282	65.4	47.3	N.W.	.00	"    Clear    "    10.
19	30.062	65.9	74.7	S.	.04	"    Fair    "    11.
20	29.950	55.3	55.0	N.W.	.00	Number of Cloudy    "    9.
21	30.103	53.1	51.0	W.	.00	Total Number of Days on which Rain or Snow fell, 10.
22	30.258	50.7	57.7	N.W.	.00	Depth of unmelted snow on ground at end of month, 0.
23	30.149	52.0	95.3	N.E.	1.43	Dates of Auroras, 0.
24	30.100	58.7	75.7	N.W.	.00	Dates of Solar Halos, 0.
25	30.308	51.9	69.3	S.E.	—	Dates of Lunar Halos, 0.
26	29.893	69.2	81.0	S.W.	.00	Thunder Storm, 17th.
27	29.941	64.3	81.7	E.	.02	Dates of Frosts, 21st, 22d, 30th.
28	29.901	59.7	100.0	E.	.42	
29	29.938	59.4	70.7	N.	.01	
30	29.911	53.8	86.7	N.	.00	
TOTALS .....	903.522	1880.9	2237.1		2.73	
MEANS ..	30.117	62.7	74.6	W.	0.091	

COMPARATIVE TEMPERATURE.			
1871 . . . . .	59.3	1879 . . . . .	60.7
1872 . . . . .	63.9	1880 . . . . .	64.1
1873 . . . . .	62.4	1881 . . . . .	65.7
1874 . . . . .	61.3	1882 . . . . .	62.7
1875 . . . . .	59.3	1883 . . . . .	59.3
1876 . . . . .	58.8	1884 . . . . .	65.8
1877 . . . . .	63.9	1885 . . . . .	59.6
1878 . . . . .	63.1	1886 . . . . .	67.2
Average for September (for 16 years) . . . . .			
62.2			

COMPARATIVE PRECIPITATIONS.			
Inches.		Inches.	
1871 . . . . .	1.30	1879 . . . . .	1.84
1872 . . . . .	6.04	1880 . . . . .	2.36
1873 . . . . .	2.91	1881 . . . . .	2.50
1874 . . . . .	2.05	1882 . . . . .	10.93
1875 . . . . .	3.12	1883 . . . . .	1.50
1876 . . . . .	3.84	1884 . . . . .	0.31
1877 . . . . .	0.60	1885 . . . . .	1.70
1878 . . . . .	3.47	1886 . . . . .	2.73
Average for September (for 16 years) . . . . .			
2.96			

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of October, 1886.

With an enumeration of the more prominent causes ; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M. D.,  
*Chairman.*

Deaths during the month of October, 1886, . . . . . 762  
Population estimated at 400,000. Rate per 1,000 inhabitants, 22.8

Total number . . . . .	762	NATIVITY.	
SEX.		United States . . . . .	507
Males . . . . .	379	Ireland . . . . .	156
Females . . . . .	383	England . . . . .	13
CONDITION.		Scotland . . . . .	6
Married . . . . .	243	Germany . . . . .	7
Single . . . . .	426	British America . . . . .	45
Widows . . . . .	58	Other Countries . . . . .	12
Widowers . . . . .	23	Unknown . . . . .	16
Unknown . . . . .	12	PARENTAGE.	
COLOR.		United States . . . . .	195
White . . . . .	749	Irish . . . . .	293
Colored . . . . .	13	English . . . . .	19
		Scotch . . . . .	13
Total deaths of children	Under 1 year . . . . .	German . . . . .	23
	Under 2 years . . . . .	British American . . . . .	37
	Under 5 years . . . . .	Other Countries . . . . .	57
Diarrhœal diseases	Under 1 year . . . . .	Mixed . . . . .	71
	Under 2 years . . . . .	Unknown . . . . .	54
	Under 5 years . . . . .		
	All ages . . . . .	Still-births during the month . . . . .	38



Total Deaths with Principal Causes for the month

CAUSES OF DEATH.			AGE.																	SEX.						
I. ZYMOTICS.			Total Mortality for October, 1886.	Total Mortality for October, 1885.	Under 2 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
ALCOHOLISM	2	6													1			1							1	1
CROUP	10	6	1			1	3	2	2			9	1												5	5
CARBUNCLE																										
CHOLERA MORBUS	3							1				1		1			1								1	2
CHOLERA INFANTUM	15	16	7	3		4	1					15													6	9
CEREBRO-SPINAL MENINGITIS		2																								
CONGESTIVE FEVER																										
DIARRHŒA	10	13	3	3	2	2						10													5	5
DYSENTERY	5	1					2					2								3					4	1
DIPHTHERIA	38	30	1			1	2	9		5	7	25	10	3											22	16
ERYSIPELAS	2	1																1	1						1	1
INTERMITTENT FEVER																										
INFLUENZA																										
MEASLES	3	4				2	1					3														3
PURPURA																										
PUERPERAL FEVER.	3														3											3
PYŒMIA	1																1								1	
RENITTENT FEVER																										
RHEUMATISM	1	5											1												1	
SCARLATINA	2	10					2					2													1	1
SMALL POX																										
SYPHILIS (CONGENITAL)	3	4	2			1						3													3	
SYPHILIS																										
SEPTICŒMIA	1	4														1										1
TONSILLITIS.																										
TYPHOID FEVER.	25	24									1	1	1	6	10	4	2	1							10	15
TYPHUS FEVER																										
WHOOPING COUGH	2	2				2						2													1	1
YELLOW FEVER		1																								
OTHER ZYMOTIC DISEASES																										
II. CONSTITUTIONAL.																										
CANCER	31	27													1	4	5	11	7	3					7	24
HYDROCEPHALUS AND TUBERC. MENINGITIS	24	21	2		6	4	7			1	20	2	1	1											9	15
MARASMUS, SCROFULA AND TABES MESENTERICA	36	32	17	5	3	1	1	1			28	1	2	1				2	1	1					24	12
PHTHISIS PULMONALIS	141	110			1						1	2	1	17	37	42	20	10	9	3					67	74
OTHER CONSTITUTIONAL DISEASES	8	9		2			1	1			4		3		1										3	5

# of October, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for October, 1886.	Total Mortality for October, 1885.	AGE.																		SEX.			
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
III. LOCAL.																								
Apoplexy . . . . .	19	21											4	1	3	5	3	3				8	11	
Bright's Disease . . . . .	9	16										2		2	3	1		1			6			
Bronchitis . . . . .	31	29	4	3	4	4	4	1		20	2		1	2	2	3		1			16	15		
Heart Disease . . . . .	57	41									1	5	3	5	14	6	10	11	1	1		25	32	
Meningitis . . . . .	11	18		1	3	3	2		1	10			1								9	2		
Nephritis . . . . .	7	7											1		2	2	1	1			4	3		
Pleurisy . . . . .	1	2															1				1			
Pneumonia . . . . .	54	33	3	1	2	5	2	2		15	2	1	3	6	9	3	10	4		1		26	28	
Other Local Diseases . . . . .	107	110	10	4	5	9	3	3	1	35	6	3	6	9	11	14	11	12				54	53	
IV. DEVELOPMENTAL.																								
Cyanosis . . . . .	4	5	3	1						4												2	2	
Inanition . . . . .	5	4	5							5													5	
Old Age . . . . .	20	17															2	6	8	4		6	14	
Premature Birth . . . . .	15	15	15							15												6	9	
Puer'l Diseases (not including Puer'l Fever)	2	3											2										2	
Other Developmental Diseases . .	14	15	10	2						12							1	1				10	4	
V. VIOLENT.																								
Accidental . . . . .	31	32				2			2	1	5	12	2	5	2		1					27	4	
Homicidal . . . . .	1	1	1						1													1		
Suicidal . . . . .	3	3										1	1	1								3		
Other Violent Causes . . . . .																								
Unknown Causes . . . . .	5	3	1				1		2					1	1	1						3	2	
TOTAL FROM ALL CAUSES . . . . .	762	703	85	25	32	41	38	15	12	248	29	47	85	81	77	60	65	48	16	6		379	383	
TOTAL FROM ZYMOTIC DISEASES . . . . .	126	129	14	6	8	13	17	7	8	73	13	10	14	5	4	3	1	3				62	64	
“ “ CONSTITUTIONAL DISEASES . . . . .	240	199	19	7	10	5	9	2	2	54	4	23	40	47	25	21	18	7	1			110	130	
“ “ LOCAL do. . . . .	296	277	17	9	14	21	11	6	2	80	11	9	16	25	41	33	42	31	6	2		149	147	
“ “ DEVELOPMENTAL do. . . . .	60	59	33	3						36			2				3	7	8	4		24	36	
“ “ VIOLENT CAUSES . . . . .	35	36	1			2			3	1	5	13	3	6	2	1		1				31	4	

## Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of October, 1886, and for the corresponding month in 1885.

CASES REPORTED DURING OCTOBER, 1886.			CASES REPORTED DURING OCTOBER, 1885.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria . . . . .	130	....	Diphtheria . . . . .	123	....
Measles . . . . .	38	....	Measles . . . . .	7	....
Small Pox . . . . .	....	....	Small Pox . . . . .	1	....
Scarlatina . . . . .	58	....	Scarlatina . . . . .	153	....
Typhoid Fever . . . . .	148	....	Typhoid Fever . . . . .	117	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

# METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of October, 1886, as reported by O. B. COLE, Sergeant Signal Corps. U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	29.828	51.5	66.3	N.W.	.00	Mean Barometer, 30.145.
2	30.255	46.1	57.7	W.	.00	Highest Barometer, 30.571, on 19th.
3	30.357	47.9	65.3	W.	.00	Lowest Barometer, 29.660, on 15th.
4	30.040	56.5	63.3	W.	.00	Monthly Range of Barometer, 0.911.
5	30.159	52.6	79.0	S.W.	.00	Mean Temperature, 51.5.
6	30.099	51.8	84.3	N.	.00	Highest Temperature, 79.7, on 9th.
7	30.240	51.1	82.3	N.E.	.00	Lowest Temperature, 27.2, on 17th.
8	30.207	51.5	87.7	W.	.00	Monthly Range of Temperature, 52.5.
9	30.116	65.7	65.3	W.	.00	Greatest Daily Range of Temperature, 27.0.
10	30.227	58.0	73.7	S.	.00	Least Daily Range of Temperature, 3.4.
11	30.162	63.8	62.7	W.	.00	Mean Daily Range of Temperature, 15.3.
12	29.908	66.4	66.3	W.	.01	Mean Daily Dew-point, 42.8.
13	30.137	50.7	78.7	E.	.00	Mean Daily Relative Humidity, 74.7.
14	30.058	55.4	79.3	S.E.	—	Prevailing Direction of Wind, W.
15	29.734	61.1	67.3	W.	.05	Total Movement of Wind, 8,558 Miles.
16	30.196	38.8	54.3	N.W.	.00	Highest Velocity of Wind and Direction, 40 Miles per hour, E., on 31st.
17	30.370	40.4	53.3	S.	.00	Number of Foggy Days, 0.
18	30.355	48.6	79.0	E.	.05	“ Clear “ 16.
19	30.554	45.0	74.7	S.	.00	“ Fair “ 9.
20	30.315	53.5	73.3	S.W.	.00	Number of Cloudy “ 6.
21	29.998	56.9	65.0	N.W.	.00	Total Number of Days on which Rain or Snow fell, 10.
22	29.995	52.9	56.3	W.	.00	Depth of unmelted Snow on ground at end of month, 0.
23	30.201	49.3	61.0	E.	.00	Dates of Auroras, 0.
24	30.435	40.7	68.0	S.	.00	Dates of Solar Halos, 0.
25	30.211	52.1	74.7	S.W.	.00	Dates of Lunar Halos, 0.
26	30.402	48.3	83.7	E.	.02	Thunder Storm, 31st.
27	30.212	45.4	98.0	E.	1.05	Dates of Frosts, 17th.
28	29.948	46.6	97.7	N.E.	.15	
29	29.983	49.2	99.3	N.E.	.24	
30	29.914	47.1	100.0	N.E.	1.32	
31	29.887	50.5	93.0	N.E.	.38	
TOTALS .....	934.503	1595.4	2315.5		3.27	
MEANS ..	30.145	51.5	74.7	W.	.105	

COMPARATIVE TEMPERATURE. *			
1871 . . . . .	54.0	1879 . . . . .	56.0
1872 . . . . .	51.7	1880 . . . . .	50.9
1873 . . . . .	52.8	1881 . . . . .	53.3
1874 . . . . .	53.1	1882 . . . . .	54.6
1875 . . . . .	49.2	1883 . . . . .	47.4
1876 . . . . .	47.8	1884 . . . . .	52.3
1877 . . . . .	50.8	1885 . . . . .	51.1
1878 . . . . .	54.9	1886 . . . . .	51.5

COMPARATIVE PRECIPITATIONS. †			
	Inches.		Inches.
1871 . . . . .	5.83	1879 . . . . .	0.91
1872 . . . . .	4.35	1880 . . . . .	3.15
1873 . . . . .	5.33	1881 . . . . .	2.84
1874 . . . . .	1.39	1882 . . . . .	2.29
1875 . . . . .	4.99	1883 . . . . .	6.40
1876 . . . . .	1.66	1884 . . . . .	3.17
1877 . . . . .	8.84	1885 . . . . .	5.71
1878 . . . . .	6.76	1886 . . . . .	3.27

\* Average temperature for October for 16 years, 52.0.

† Average precipitations for October for 16 years, 4.22.

# OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

## Statement of Mortality for the month of November, 1886.

With an enumeration of the more prominent causes ; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M. D.,  
*Chairman.*

Deaths during the month of November, 1886, . . . . . 703  
Population estimated at 400,000. . . . . Rate per 1,000 inhabitants, 21.0

Total number . . . . . 703

### SEX.

Males . . . . . 350

Females . . . . . 353

### CONDITION.

Married . . . . . 221

Single . . . . . 383

Widows . . . . . 71

Widowers . . . . . 26

Unknown . . . . . 2

### COLOR.

White . . . . . 695

Colored . . . . . 8

Total deaths of children { Under 1 year . . . . . 135  
Under 2 years . . . . . 182  
Under 5 years . . . . . 227

Diarrhœal diseases { Under 1 year . . . . . 10  
Under 2 years . . . . . 15  
Under 5 years . . . . . 16  
All ages . . . . . 21

### NATIVITY.

United States . . . . . 470

Ireland . . . . . 161

England . . . . . 17

Scotland . . . . . 3

Germany . . . . . 9

British America . . . . . 34

Other Countries . . . . . 5

Unknown . . . . . 4

### PARENTAGE.

United States . . . . . 173

Irish . . . . . 303

English . . . . . 12

Scotch . . . . . 6

German . . . . . 17

British American . . . . . 28

Other Countries . . . . . 60

Mixed . . . . . 64

Unknown . . . . . 40

Still-births during the month . . . . . 48



# Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for November, 1886.	Total Mortality for November, 1885	AGE.																		SEX.			
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM . . . . .	2	8												1	1								1	1
CROUP . . . . .	14	13				3	3	3	3	12	2											10	4	
CARBUNCLE . . . . .																								
CHOLERA MORBUS . . . . .	1			1						1												1		
CHOLERA INFANTUM . . . . .	7	3		4	3					7												3	4	
CEREBRO-SPINAL MENINGITIS . . . . .																								
CONGESTIVE FEVER . . . . .																								
DIARRHŒA . . . . .	12	15	4	1	2					7	1			1			1		2			2	10	
DYSENTERY . . . . .	1	3						1		1												1		
DIPHTHERIA . . . . .	25	35			2	1	4	5	2	14	9	1					1					12	13	
ERYSIPELAS . . . . .	1	2												1									1	
INTERMITTENT FEVER . . . . .																								
INFLUENZA . . . . .																								
MEASLES . . . . .	4	1			1	2	1			4												2	2	
PURPURA . . . . .																								
PURPERAL FEVER. . . . .																								
PYÆMIA . . . . .	3	1					1			1				2								1	2	
REMITTENT FEVER . . . . .	1												1									1		
RHEUMATISM . . . . .	3	3											1						2			2	1	
SCARLATINA . . . . .	4	9					1	1	2	2												2	2	
SMALL POX . . . . .																								
SYPHILIS (CONGENITAL) . . . . .	1			1						1													1	
SYPHILIS . . . . .	3	2											2	1								1	2	
SEPTICÆMIA . . . . .	3	2											1	2									3	
TONSILLITIS . . . . .	1				1					1												1		
TYPHOID FEVER. . . . .	16	9									2	3	6	1	1	2		1				11	5	
TYPHUS FEVER . . . . .																								
WHOOPING COUGH . . . . .	1		1							1												1		
YELLOW FEVER . . . . .																								
OTHER ZYMOTIC DISEASES . . . . .		2																						
II. CONSTITUTIONAL.																								
CANCER . . . . .	15	29												3	4	2	2	4				3	12	
HYDROCEPHALUS AND TUBERC. MENINGITIS . . . . .	8	18			2	4		1		7	1											5	8	
MARASMUS, SROFULA AND TABES MESENTERICA . . . . .	28	17	14	4	4	1	1			24	2			1			1					20	8	
PHTHISIS PULMONALIS . . . . .	117	134			2		1			3	1	12	36	33	18	4	7	2		1		58	59	
OTHER CONSTITUTIONAL DISEASES . . . . .	4	10		1						1				2	1							3	1	

of November, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for November, 1886.	Total Mortality for November, 1885.	AGE.																		SEX.			
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
III. LOCAL.																								
ATOPLEXY . . . . .	25	17												1	2	5	5	7	4	1			13	12
BRIGHT'S DISEASE . . . . .	15	14									1	1	4	3	3	1	1	1				7		
BRONCHITIS . . . . .	40	28	9	1	7	10	4	1	32	1				1	1	4	1					14	26	
HEART DISEASE . . . . .	55	51	2		1		1		4		2	3	6	8	11	7	11	2	1			26	20	
MENINGITIS . . . . .	7	23			1	1	1	1	4	1	1					1						4	3	
NEPHRITIS . . . . .	10	5				1		1	2			1	1	1	2	3						7	3	
PLEURISY . . . . .	2	2									1		1									1	1	
PNEUMONIA . . . . .	76	46	3	7	7	10	2		29	4	1	3	7	6	3	11	7	3	2			36	40	
OTHER LOCAL DISEASES . . . . .	109	85	12	6	3	6	4	1	32	3	5	7	16	14	11	11	8	2				62	57	
IV. DEVELOPMENTAL.																								
CYANOSIS . . . . .	5	3	5						5													2	3	
INANITION . . . . .	4		2	1					3								1					2	2	
OLD AGE . . . . .	21	18														1	8	11	1			7	14	
PREMATURE BIRTH . . . . .	13	10	13						13													6	7	
PUERPERAL DISEASES (not including Puerp'l Fever)	2	4											1	1									2	
OTHER DEVELOPMENTAL DISEASES . . . . .	15	14	11	1		1			13				1		1							9	6	
V. VIOLENT.																								
ACCIDENTAL . . . . .	24	20				1	1		2	1	1	4	5	4	3	3	1					20		
HOMICIDAL . . . . .	2	1											2									1	1	
SUICIDAL . . . . .		3																						
OTHER VIOLENT CAUSES . . . . .		2																						
UNKNOWN CAUSES . . . . .	3	2				1			1					1	1							2	1	
TOTAL FROM ALL CAUSES . . . . .	703	664	76	27	32	47	23	16	6	227	30	28	60	91	66	18	50	52	27	6		350	353	
TOTAL FROM ZYMOTIC DISEASES . . . . .																								
" " CONSTITUTIONAL DISEASES . . . . .	103	108	5	7	4	11	8	11	6	52	16	4	11	9	2	2	2	1	4			52	51	
" " LOCAL do. . . . .	172	208	14	4	9	5	2	1	35	4	12	36	39	23	6	10	6		1			89	83	
" " DEVELOPMENTAL do. . . . .	339	271	26	14	19	28	12	4	103	9	11	15	36	35	36	43	35	12	4			160	179	
" " VIOLENT CAUSES . . . . .	60	49	31	2		1			34				2	1	1	1	9	11	1			26	34	
" " VIOLENT CAUSES . . . . .	26	26				1	1		2	1	1	4	7	4	3	3	1					21	5	

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of November, 1886, and for the corresponding month in 1885.

CASES REPORTED DURING NOVEMBER, 1886.			CASES REPORTED DURING NOVEMBER, 1885.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria . . . . .	111	....	Diphtheria . . . . .	119	....
Measles . . . . .	119	....	Measles . . . . .	16	....
Small Pox . . . . .	....	....	Small Pox . . . . .	1	....
Scarlatina . . . . .	82	....	Scarlatina . . . . .	148	....
Typhoid Fever . . . . .	101	....	Typhoid Fever . . . . .	64	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	...	....

# METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of November, 1886, as reported by O. B. COLE, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	29.943	50.9	88.3	N.E.	.03	Mean Barometer, 29.944.
2	30.095	49.3	82.7	S.E.	.00	Highest Barometer, 30.432.
3	29.991	56.5	94.7	S.	.00	Lowest Barometer, 29.291.
4	29.983	52.1	60.0	W.	.00	Monthly Range of Barometer, 1.141.
5	30.228	49.8	64.0	S.	.00	Mean Temperature, 42.8.
6	29.902	53.0	97.3	S.	.28	Highest Temperature, 66.1.
7	29.554	38.1	63.0	W.	.28	Lowest Temperature, 24.0.
8	29.911	33.0	61.0	W.	.00	Monthly Range of Temperature, 42.1.
9	30.104	41.0	54.3	W.	.00	Greatest Daily Range of Temperature, 29.2.
10	30.080	43.2	78.7	N.W.	.12	Least Daily Range of Temperature, 5.6.
11	30.055	47.7	72.0	W.	.00	Mean Daily Range of Temperature, 15.3.
12	30.062	41.0	81.0	S.	.11	Mean Daily Dew-point, 33.4.
13	29.419	37.8	91.7	N.	1.14	Mean Daily Relative Humidity, 71.4.
14	29.727	33.7	61.3	N.W.	.00	Prevailing Direction of Wind, W.
15	30.043	40.6	65.0	W.	.00	Total Movement of Wind, 8,584 Miles.
16	30.391	35.4	41.7	W.	.00	Highest Velocity of Wind and Direction, 44 Miles per hour, N.E.
17	30.172	39.1	84.3	S.W.	.28	Number of Foggy Days, 0.
18	29.624	55.9	76.3	W.	.34	" Clear " 10.
19	29.730	37.4	57.7	W.	.00	" Fair " 13.
20	29.702	42.0	56.0	W.	.00	Number of Cloudy " 7.
21	29.971	41.0	65.3	N.W.	.00	Total Number of Days on which Rain or Snow fell, 12.
22	30.195	39.7	55.3	N.W.	.00	Depth of unmelted snow on ground at end of month, 0.
23	29.681	49.9	89.3	S.	.58	Dates of Auroras, 0.
24	29.713	45.2	66.3	W.	.01	Dates of Solar Halos, 0.
25	29.788	37.4	82.3	N.	.40	Dates of Lunar Halos, 0.
26	30.103	34.7	67.3	W.	.02	Thunder Storm, 6th.
27	30.257	32.5	66.3	W.	.00	Dates of Frosts, 5th, 8th, 9th, 16th.
28	30.139	34.8	63.3	W.	.00	
29	29.930	46.0	75.0	S.	.00	
30	29.752	45.3	91.3	N.E.	.00	
TOTALS .....	898.335	1286.2	2142.4		3.59	
MEANS .....	29.944	42.8	71.4	W.	.120	

COMPARATIVE TEMPERATURE. *			
1871 . . . . .	36.6	1879 . . . . .	39.2
1872 . . . . .	39.8	1880 . . . . .	37.1
1873 . . . . .	32.8	1881 . . . . .	42.4
1874 . . . . .	40.6	1882 . . . . .	37.9
1875 . . . . .	34.2	1883 . . . . .	42.5
1876 . . . . .	40.1	1884 . . . . .	41.5
1877 . . . . .	43.2	1885 . . . . .	43.8
1878 . . . . .	39.7	1886 . . . . .	42.8

COMPARATIVE PRECIPITATIONS. †			
	Inches.		Inches.
1871 . . . . .	6.42	1879 . . . . .	2.97
1872 . . . . .	3.66	1880 . . . . .	2.30
1873 . . . . .	8.34	1881 . . . . .	3.73
1874 . . . . .	2.85	1882 . . . . .	1.20
1875 . . . . .	5.47	1883 . . . . .	2.08
1876 . . . . .	11.03	1884 . . . . .	3.03
1877 . . . . .	9.62	1885 . . . . .	5.78
1878 . . . . .	8.94	1886 . . . . .	3.59

\* Average temperature for November for 16 years, 39.6.

† Average precipitations for November for 16 years, 5.06.

# OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

## Statement of Mortality for the month of December, 1886.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M. D.,  
*Chairman.*

Deaths during the month of December, 1886, . . . . . 896  
Population estimated at 400,000. . . . . Rate per 1,000 inhabitants, 26.3

Total number . . . . . 896

### SEX.

Males . . . . . 464

Females . . . . . 432

### CONDITION.

Married . . . . . 294

Single . . . . . 494

Widows . . . . . 77

Widowers . . . . . 23

Unknown . . . . . 8

### COLOR.

White . . . . . 881

Colored . . . . . 15

Total deaths of children { Under 1 year . . . . . 172  
Under 2 years . . . . . 236  
Under 5 years . . . . . 305

Diarrhœal diseases { Under 1 year . . . . . 7  
Under 2 years . . . . . 7  
Under 5 years . . . . . 7  
All ages . . . . . 15

### NATIVITY.

United States . . . . . 585

Ireland . . . . . 190

England . . . . . 23

Scotland . . . . . 7

Germany . . . . . 15

British America . . . . . 48

Other Countries . . . . . 18

Unknown . . . . . 10

### PARENTAGE.

United States . . . . . 230

Irish . . . . . 337

English . . . . . 16

Scotch . . . . . 8

German . . . . . 27

British American . . . . . 46

Other Countries . . . . . 77

Mixed . . . . . 84

Unknown . . . . . 71

Still-births during the month . . . . . 49



# Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for December, 1886.	Total Mortality for December, 1885.	AGE.																			SEX.				
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.			
			I. ZYMOTICS.																							
ALCOHOLISM . . . . .	6	4												2	3		1					4	2			
CROUP . . . . .	15	12			2	5	2	4	1	14		1										7	8			
CARRUNCLE . . . . .																										
CHOLERA MORBUS . . . . .																										
CHOLERA INFANTUM . . . . .	1	1		1						1													1			
CEREBRO-SPINAL MENINGITIS . . . . .	1	1					1			1												1				
CONGESTIVE FEVER . . . . .																										
DIARRHŒA . . . . .	9	12	3	1	1					5				1			2	1				6	3			
DYSENTERY . . . . .	5				1					1							1	2	1			2	3			
DIPHTHERIA . . . . .	39	32			2	5	8	3	5	23	12	2	1			1					21	18				
ERYSIPELAS . . . . .	1	1	1							1													1			
INTERMITTENT FEVER . . . . .		1																								
INFLUENZA . . . . .																										
MEASLES . . . . .	17	2		2	4	5	4	1		16	1										10	7				
PURPURA . . . . .																										
PUERPERAL FEVER. . . . .	4	1										1	3										4			
PYEMIA . . . . .	2	2										1		1							1	1				
REMITTENT FEVER . . . . .																										
RHEUMATISM . . . . .	3	4													1	1	1						3			
SCARLATINA . . . . .	2	8							1	1		1									1	1				
SMALL POX . . . . .																										
SYPHILIS (CONGENITAL) . . . . .	1		1							1											1					
SYPHILIS . . . . .	1														1								1			
SEPTICÆMIA . . . . .		4																								
TONSILLITIS. . . . .																										
TYPHOID FEVER. . . . .	15	9								1	1		4	5	2	1		1	1		10	5				
TYPHUS FEVER . . . . .																										
WHOOPING COUGH . . . . .	6		1	2		1	2			6											2	4				
YELLOW FEVER . . . . .																										
OTHER ZYMOTIC DISEASES . . . . .																										
II. CONSTITUTIONAL.																										
CANCER . . . . .	25	19									1			1	7	6	8	2			11	14				
HYDROCEPHALUS AND TUBERC. MENINGITIS . .	13	12		1	3	5		1	1	11	1				1					12	1					
MARASMUS, SCROFULA AND TABES MESENTERICA	28	21	10	5	3	2	1			21	1		2			3		1		16	12					
PHTHISIS PULMONALIS . . . . .	149	115	1	1		1				3	17	46	39	15	14	12	3			72	77					
OTHER CONSTITUTIONAL DISEASES . .	14	6			1	1				2		2	2	1	4	3				8	6					

of December, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for December, 1886.	Total Mortality for December, 1885.	AGE.																		SEX.			
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
III. LOCAL.																								
APoplexy . . . . .	16	24											1		3		4	6	2			8	8	
BRIGHT'S DISEASE . . . . .	19	18										1	3	2	4	4	2	1	2			10	9	
BRONCHITIS . . . . .	76	43	10	4	20	13	10	1	1	59	2	1	1			2	8	1	2			39	37	
HEART DISEASE . . . . .	67	44	1				2			3	1	3	2	6	13	15	14	8	2			28	39	
MENINGITIS . . . . .	17	14	3	1	1	6	3	1		15				1	1							10	7	
NEPHRITIS . . . . .	7	17				1				1		1	1	1			2		1			2	5	
PLEURISY . . . . .	2	6				1				1								1				1	1	
PNEUMONIA . . . . .	120	68	10	10	9	10	7	3	1	50	2	2	7	15	8	10	9	14	2	1		63	57	
OTHER LOCAL DISEASES . . . . .	107	76	11	2	3	4	1	2		23	7	2	3	11	15	15	15	14	2			49	58	
IV. DEVELOPMENTAL.																								
CYANOSIS . . . . .	3	7	1	2						3												3		
INANITION . . . . .	6	3	4			2				6												5	1	
OLD AGE . . . . .	26	25															2	8	11	4	1	11	15	
PREMATURE BIRTH . . . . .	14	13	12	1	1					14												8	6	
PUERP'L DISEASES (not including Puerp'l Fever)	2	2												2									2	
OTHER DEVELOPMENTAL DISEASES . .	19	14	14	2						16					1		1	1				8	11	
V. VIOLENT.																								
ACCIDENTAL . . . . .	29	16				2	1			3	1	4	5	3	7	3	2	1				27	2	
HOMICIDAL . . . . .																								
SUICIDAL . . . . .	4	7										2				1	1					2	2	
OTHER VIOLENT CAUSES . . . . .		1																						
UNKNOWN CAUSES . . . . .	5		3							3			1						1			5		
TOTAL FROM ALL CAUSES . . . . .	896	665	86	35	51	64	42	16	11	305	29	45	83	87	56	73	86	65	26	5	1	464	432	
TOTAL FROM ZYMOTIC DISEASES . . . . .	128	94	6	6	10	16	17	8	8	71	13	10	9	5	7	2	6	4	1			66	62	
“ “ CONSTITUTIONAL DISEASES . . .	229	173	11	7	7	9	1	1	1	37	3	19	50	41	27	26	20	6				119	110	
“ “ LOCAL do. . . . .	431	310	35	17	33	35	23	7	2	152	12	10	18	36	44	46	54	45	13	1		210	221	
“ “ DEVELOPMENTAL do. . . . .	70	64	31	5	1	2				39				2	1		3	9	11	4	1	35	35	
“ “ VIOLENT CAUSES . . . . .	33	24				2	1			3	1	6	5	3	7	4	3	1				29	4	

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of December, 1886, and for the corresponding month in 1885.

CASES REPORTED DURING DECEMBER, 1886.			CASES REPORTED DURING DECEMBER, 1885.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria . . . . .	141	....	Diphtheria . . . . .	111	....
Measles . . . . .	133	....	Measles . . . . .	14	....
Small Pox . . . . .	....	....	Small Pox . . . . .	1	....
Scarlatina . . . . .	68	....	Scarlatina . . . . .	137	....
Typhoid Fever . . . . .	55	....	Typhoid Fever . . . . .	45	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	...	....

# METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of December, 1886, as reported by O. B. COLE, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	29.600	38.9	77.7	W.	.22	Mean Barometer, 30.078.
2	29.568	24.8	63.7	W.	.03	Highest Barometer, 30.626, on the 5th.
3	29.060	16.5	55.3	N.W.	.00	Lowest Barometer, 29.341, on the 14th.
4	30.450	17.1	49.7	N.W.	.00	Monthly Range of Barometer, 1.285.
5	30.441	13.9	78.3	N.	.67	Mean Temperature, 28.8.
6	30.187	24.8	66.0	N.	—	Highest Temperature, 54.9, on the 24th.
7	30.082	21.7	88.7	N.E.	.21	Lowest Temperature, 6.0, on the 30th.
8	30.131	28.7	64.7	W.	—	Monthly Range of Temperature, 48.9.
9	30.359	35.3	64.0	N.W.	.04	Greatest Daily Range of Temperature, 35.6, on the 25th.
10	30.298	35.0	64.3	W.	.00	Least Daily Range of Temperature, 4.9.
11	30.180	41.8	59.7	W.	.00	Mean Daily Range of Temperature, 15.2.
12	30.138	40.1	86.0	N.E.	—	Mean Daily Dew-point, 19.6.
13	29.569	32.7	91.7	N.	.06	Mean Daily Relative Humidity, 70.1.
14	29.551	34.8	82.0	W.	.00	Prevailing Direction of Wind, W.
15	29.652	34.7	77.3	W.	.00	Total Movement of Wind, 9,933 Miles.
16	29.715	14.3	84.3	N.W.	.08	Highest Velocity of Wind and Direction, 37 Miles per hour, W, on 3d.
17	30.292	20.1	60.0	W.	.00	Number of Foggy Days, 0.
18	29.988	33.3	90.0	W.	.84	“ Clear “ 6.
19	30.030	39.5	74.3	N.W.	.02	“ Fair “ 12.
20	30.172	32.0	60.7	W.	.00	Number of Cloudy “ 13.
21	30.161	32.9	62.7	W.	.00	Total Number of Days on which Rain or Snow fell, 12.
22	30.278	37.3	58.7	S.E.	.00	Depth of unmelted Snow on ground at end of month, 3 inches.
23	30.433	35.9	74.3	S.	.00	Dates of Auroras, 0.
24	29.897	49.5	93.3	N.W.	.17	Dates of Solar Halos, 0.
25	29.976	30.0	52.0	S.	.82	Dates of Lunar Halos, 4th.
26	30.196	20.5	71.7	N.	—	Thunder Storm,
27	30.059	26.5	65.3	W.	—	Dates of Frosts,
28	30.227	21.3	60.0	W.	.00	
29	30.300	18.7	62.7	N.W.	.00	
30	30.445	11.0	76.7	N.	.06	
31	30.093	23.2	88.3	N.	.48	
TOTALS .....	932.411	891.8	2174.1	(K)	3.66	
MEANS .....	30.078	28.8	70.1	W.	1.18	

COMPARATIVE TEMPERATURE.			
1871 . . . . .	27.9	1879 . . . . .	32.4
1872 . . . . .	23.7	1880 . . . . .	25.8
1873 . . . . .	31.1	1881 . . . . .	37.8
1874 . . . . .	31.0	1882 . . . . .	30.5
1875 . . . . .	29.0	1883 . . . . .	28.7
1876 . . . . .	21.9	1884 . . . . .	31.1
1877 . . . . .	35.0	1885 . . . . .	32.8
1878 . . . . .	29.5	1886 . . . . .	28.8*

COMPARATIVE PRECIPITATIONS.			
	Inches.		Inches.
1871 . . . . .	3.38	1879 . . . . .	5.36
1872 . . . . .	2.95	1880 . . . . .	3.42
1873 . . . . .	5.64	1881 . . . . .	3.80
1874 . . . . .	2.14	1882 . . . . .	2.65
1875 . . . . .	0.76	1883 . . . . .	3.71
1876 . . . . .	3.71	1884 . . . . .	4.46
1877 . . . . .	1.32	1885 . . . . .	2.09
1878 . . . . .	6.76	1886 . . . . .	3.66†

\* Average temperature for December for 16 years, 29.9.

† Average precipitations for December for 16 years, 3.49.

# SUMMARY OF DEATHS IN BOSTON.

With Principal Causes, for the year 1886. Compared with those of 1885.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,

*Chairman.*

	1886.	1885.		1886.	1885.
Total No. of deaths from all causes . .	9,268	9,618	Erysipelas . . . . .	39	40
Population . . . . .	400,000	400,000	Intermittent Fever . . . . .	—	3
Annual death rate per 1000 inhabitants	23.17	24.04	Measles . . . . .	36	84
Total No. from Zymotic diseases . .	1,644	1,879	Purpura . . . . .	7	2
Percentage of deaths from Zymotic dis-			Puerperal Fever . . . . .	17	20
eases to total mortality . . . .	17.73	19.53	Pyæmia . . . . .	17	11
Total No. of Still-births . . . . .	543	520	Remittent Fever . . . . .	5	2
Total deaths of children under 1 year .	2,110	2,156	Rheumatism . . . . .	28	39
“   “   “   “   2 years . . . . .	2,640	2,812	Scarlatina . . . . .		156
“   “   “   “   5 years . . . . .	3,186	3,466	Small Pox . . . . .	—	2
Percentage of deaths under 5 years to			Syphilis (congenital) . . . . .	20	21
total mortality . . . . .	34.37	36.03	Syphilis . . . . .	7	10
Total No. of deaths from diarrhœal dis-			Septicæmia . . . . .	26	31
eases, under 5 years . . . . .	605	621	Tonsillitis . . . . .	4	5
Total No. of deaths from diarrhœal dis-			Typhoid Fever . . . . .	135	152
eases, all ages . . . . .	705	723	Typhus Fever . . . . .	—	—
Percentage of deaths from diarrhœal dis-			Whooping Cough . . . . .	37	26
eases to total mortality . . . .	7.60	7.51	Yellow Fever . . . . .	—	1
Alcoholism . . . . .	39	55	Other Zymotic Diseases . . . . .	1	11
Croup . . . . .	94	125	Cancer . . . . .	299	274
Carbuncle . . . . .	3	7	Phthisis Pulmonalis . . . . .	1,607	1,523
Cholera Morbus . . . . .	28	30	Bright's Disease . . . . .	172	187
Cholera Infantum . . . . .	444	461	Bronchitis . . . . .	420	487
Cerebro Spinal Meningitis . . . . .	14	19	Heart Disease . . . . .	581	563
Diarrhœa . . . . .	172	170	Pneumonia . . . . .	778	963
Dysentery . . . . .	61	62	Old age . . . . .	268	268
Diphtheria . . . . .	329	334	Violent Deaths . . . . .	361	350





# OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

## Statement of Mortality for the month of January, 1887.

With an enumeration of the more prominent causes ; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M. D.,  
*Chairman.*

Deaths during the month of January, 1887, . . . . . 836  
Population estimated at 400,000. . . . . Rate per 1,000 inhabitants, 25.0

Total number . . . . . 836

### SEX.

Males . . . . . 430

Females . . . . . 406

### CONDITION.

Married . . . . . 282

Single . . . . . 441

Widows . . . . . 73

Widowers . . . . . 33

Unknown . . . . . 7

### COLOR.

White . . . . . 821

Colored . . . . . 15

Total deaths of children { Under 1 year . . . . . 153  
Under 2 years . . . . . 209  
Under 5 years . . . . . 271

Diarrhoeal diseases { Under 1 year . . . . . 8  
Under 2 years . . . . . 8  
Under 5 years . . . . . 8  
All ages . . . . . 10

### NATIVITY.

United States . . . . . 537

Ireland . . . . . 174

England . . . . . 21

Scotland . . . . . 2

Germany . . . . . 12

British America . . . . . 60

Other Countries . . . . . 16

Unknown . . . . . 14

### PARENTAGE.

United States . . . . . 221

Irish . . . . . 320

English . . . . . 17

Scotch . . . . . 5

German . . . . . 21

British American . . . . . 44

Other Countries . . . . . 75

Mixed . . . . . 60

Unknown . . . . . 73

Still-births during the month . . . . . 45

# Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for January, 1887.	Total Mortality for January, 1886.	AGE.																		SEX.			
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM . . . . .	2	4										1					1					2		
CROUP . . . . .	20	7	1		1	6	7	3	2	20											11	9		
CARBUNCLE . . . . .		1																						
CHOLERA MORBUS . . . . .	1												1								1			
CHOLERA INFANTUM . . . . .	1	1	1							1											1			
CEREBRO-SPINAL MENINGITIS . . . . .	1	3															1					1		
CONGESTIVE FEVER . . . . .																								
DIARRHŒA . . . . .	8	6	4	2	1					7		1									4	4		
DYSENTERY . . . . .		4																						
DIPHTHERIA . . . . .	38	29			1	5	8	7	3	24	8	4	1		1						16	22		
ERYSIPELAS . . . . .	8	5				1				1				2	1	1	2		1		4	4		
INTERMITTENT FEVER . . . . .																								
INFLUENZA . . . . .																								
MEASLES . . . . .	4				1	1	1			3	1										1	3		
PURPURA . . . . .		1																						
PUERPERAL FEVER . . . . .	5	1											1	3	1							5		
PYŒMIA . . . . .		2																						
REMITTENT FEVER . . . . .		1																						
RHEUMATISM . . . . .	3	2											1	1				1			1	2		
SCARLATINA . . . . .	11	12				4		2	2	8	2		1								5	6		
SMALL POX . . . . .																								
SYPHILIS (CONGENITAL) . . . . .	2	2		1	1					2											1	1		
SYPHILIS . . . . .		2																						
SEPTICŒMIA . . . . .	3	3												1		1	1				1	2		
TONSILLITIS . . . . .																								
TYPHOID FEVER . . . . .	8	4										4	2	1	1						1	7		
TYPHUS FEVER . . . . .																								
WHOOPING COUGH . . . . .																								
YELLOW FEVER . . . . .																								
OTHER ZYMOTIC DISEASES . . . . .																								
II. CONSTITUTIONAL.																								
CANCER . . . . .	34	32											2	2	7	10	5	5	3		12	22		
HYDROCEPHALUS AND TUBERC. MENINGITIS . .	22	15	3		6	3	2	2	2	18	4										15	7		
MAHARISMUS, SCROFULA AND TABES MESENTERICA	20	6	10	4	4	1				19		1									12	8		
PHTHISIS PULMONALIS . . . . .	133	140		2		1	1			4	2	14	39	35	19	12	4	4			67	66		
OTHER CONSTITUTIONAL DISEASES . .	17	14	1		1					2	1		3	6			3	2			9	8		

of January, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	AGE.																				SEX.		
	Total Mortality for January, 1887.	Total Mortality for January, 1888.	Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.
III. LOCAL.																							
ATOPLEXY . . . . .	31	16									1			1	4	7	6	9	3			16	15
BRIGHT'S DISEASE . . . . .	19	15											2	1	4	5	4	3				11	8
BRONCHITIS . . . . .	55	49	10	9	8	6	4		1	38	2			1	1	6	4	2	1			27	28
HEART DISEASE . . . . .	57	58		1		2	1			4	1	1	2	11	6	11	9	10	2			36	21
MENINGITIS . . . . .	17	20	2	1	1	3	2	5		14		1		2								12	5
NEPHRITIS . . . . .	11	12									1		1	3	3	2		1				6	5
PLEURISY . . . . .	3												1		1			1				2	1
PNEUMONIA . . . . .	95	88	6	5	5	13			2	1	32		4	6	10	12	9	9	10	3		57	38
OTHER LOCAL DISEASES . . . . .	108	96	14	3	6	8	2			33	1	2	5	14	12	8	15	18				52	56
IV. DEVELOPMENTAL.																							
CYANOSIS . . . . .	1	5	1							1													1
INANITION . . . . .	5	4	4							4								1				3	2
OLD AGE . . . . .	32	33														1	2	8	18	3		9	23
PREMATURE BIRTH . . . . .	11	14	10	1						11												8	3
PUERP'L DISEASES (not including Puerp'l Fever)	1	1												1									1
OTHER DEVELOPMENTAL DISEASES . .	23	20	15	1	2	1				19						2		2				11	12
V. VIOLENT.																							
ACCIDENTAL . . . . .	20	27	2		1			1	1	5	2	2	3	2	2	1	1	1	1			14	6
HOMICIDAL . . . . .	1		1							1												1	
SUICIDAL . . . . .	4	3										2		1	1							1	3
OTHER VIOLENT CAUSES . . . . .		1																					
UNKNOWN CAUSES . . . . .	1	4											1										1
TOTAL FROM ALL CAUSES . . . . .	836	765	85	30	38	56	28	22	12	271	26	36	72	99	76	76	65	80	32	3		430	406
TOTAL FROM ZYMOTIC DISEASES . . . . .	115	92	6	3	4	18	16	12	7	66	11	9	7	9	4	2	3	3	1			49	66
“ “ CONSTITUTIONAL DISEASES . . .	226	207	14	6	11	5	3	2	2	43	7	15	44	43	26	22	12	11	3			115	111
“ “ LOCAL do. . . . .	396	354	32	19	20	32	9	7	2	121	6	8	17	43	43	48	47	54	9			219	177
“ “ DEVELOPMENTAL do. . . . .	73	77	30	2	2	1				35				1		3	2	11	18	3		31	42
“ “ VIOLENT CAUSES . . . . .	25	31	3		1			1	1	6	2	4	3	3	3	1	1	1	1			16	9

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of January, 1887, and for the corresponding month in 1886.

CASES REPORTED DURING JANUARY, 1887.			CASES REPORTED DURING JANUARY, 1886.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria . . . . .	128	....	Diphtheria . . . . .	122	....
Measles . . . . .	158	....	Measles . . . . .	31	....
Small Pox . . . . .	....	....	Small Pox . . . . .	....	....
Scarlatina . . . . .	100	....	Scarlatina . . . . .	155	....
Typhoid Fever . . . . .	30	....	Typhoid Fever . . . . .	30	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....



# METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of January, 1887, as reported by O. B. COLE, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	29.536	34.0	92.3	W.	.47	Mean Barometer, 29.993.
2	29.735	15.8	63.3	N.W.	.00	Highest Barometer, 30.062, on the 4th.
3	30.444	7.3	50.3	N.W.	.00	Lowest Barometer, 29.263, on the 24th.
4	30.638	13.8	67.3	N.	—	Monthly Range of Barometer, 1.399.
5	30.294	31.5	76.0	E.	.01	Mean Temperature, 25.9.
6	29.975	32.6	86.3	N.	.64	Highest Temperature, 55.9, on the 29th.
7	30.262	22.3	65.7	N.	.00	Lowest Temperature, 5 below, on the 19th.
8	30.460	8.2	71.3	N.	.00	Monthly Range of Temperature, 60.9.
9	30.230	11.0	82.3	N.	.02	Greatest Daily Range of Temperature, 35.0, on the 23th.
10	29.928	17.5	68.3	N.W.	.05	Least Daily Range of Temperature, 6.3, on the 30th.
11	29.830	16.7	59.0	W.	.00	Mean Daily Range of Temperature, 18.7.
12	29.660	28.8	63.3	S.W.	.00	Mean Daily Dew-point, 17.9.
13	30.124	31.5	52.3	W.	.00	Mean Daily Relative Humidity, 73.3.
14	29.776	20.9	93.7	N.E.	.81	Prevailing Direction of Wind, W.
15	29.764	14.3	83.7	N.	.05	Total Movement of Wind, 9,856 Miles.
16	30.008	18.7	71.3	W.	.00	Highest Velocity of Wind and Direction, 48 Miles per hour, E, on the 14th.
17	29.517	29.6	97.0	N.	.67	Number of Foggy Days, 0.
18	29.744	12.9	68.7	W.	—	" Clear " 7.
19	30.083	9.6	74.7	W.	.00	" Fair " 11.
20	29.900	30.8	75.3	S.W.	.00	Number of Cloudy " 13.
21	30.146	36.2	54.0	N.W.	.00	Total Number of Days on which Rain or Snow fell, 16.
22	30.348	33.7	76.0	S.W.	.00	Depth of unmelted Snow on ground at end of month, 0.
23	29.965	48.8	80.3	S.	.00	Dates of Auroras, 0.
24	29.426	44.4	90.0	W.	.76	Dates of Solar Halos, 0.
25	30.518	35.6	56.3	S.W.	—	Dates of Lunar Halos, 7th, 8th and 11th.
26	29.886	30.5	78.3	N.W.	.26	Thunder heard, on 24th.
27	30.518	13.3	56.3	W.	.00	Dates of Frosts,
28	30.297	39.3	79.0	S.	—	
29	29.852	47.8	91.3	W.	1.04	
30	29.776	37.5	92.7	S.E.	.08	
31	30.134	27.0	51.0	N.W.	.00	
TOTALS .....	929.778	802.2	2267.3		4.86	
MEANS .....	29.993	25.9	73.1	W	.157	

\* Mean temperature for January for 17 years, 26.2.

† Average precipitations for January for 17 years, 4.46.

## COMPARATIVE TEMPERATURE.

1871 . . . . .	26.0	1879 . . . . .	23.9
1872 . . . . .	27.4	1880 . . . . .	34.8
1873 . . . . .	25.9	1881 . . . . .	21.9
1874 . . . . .	30.8	1882 . . . . .	26.4
1875 . . . . .	20.4	1883 . . . . .	25.1
1876 . . . . .	29.8	1884 . . . . .	23.8
1877 . . . . .	23.2	1885 . . . . .	27.0
1878 . . . . .	27.6	1886 . . . . .	25.9
1887 . . . . .	25.9*		

## COMPARATIVE PRECIPITATIONS.

	Inches.		Inches.
1871 . . . . .	2.67	1879 . . . . .	2.79
1872 . . . . .	2.11	1880 . . . . .	3.72
1873 . . . . .	5.76	1881 . . . . .	7.21
1874 . . . . .	4.32	1882 . . . . .	3.68
1875 . . . . .	3.68	1883 . . . . .	3.59
1876 . . . . .	1.87	1884 . . . . .	6.27
1877 . . . . .	3.33	1885 . . . . .	5.33
1878 . . . . .	7.60	1886 . . . . .	7.08
1887 . . . . .	4.86 inches.†		

# OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

## Statement of Mortality for the month of February, 1887.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M. D.,  
*Chairman.*

Deaths during the month of February, 1887, . . . . . 691  
Population estimated at 400,000. . . . . Rate per 1,000 inhabitants, 20.7

Total number . . . . . 691

### SEX.

Males . . . . . 328

Females . . . . . 363

### CONDITION.

Married . . . . . 224

Single . . . . . 359

Widows . . . . . 76

Widowers . . . . . 23

Unknown . . . . . 9

### COLOR.

White . . . . . 670

Colored . . . . . 21

Total deaths of children { Under 1 year . . . . . 117  
Under 2 years . . . . . 164  
Under 5 years . . . . . 215

Diarrhoeal diseases { Under 1 year . . . . . 1  
Under 2 years . . . . . 3  
Under 5 years . . . . . 4  
All ages . . . . . 6

### NATIVITY.

United States . . . . . 441

Ireland . . . . . 166

England . . . . . 11

Scotland . . . . . 1

Germany . . . . . 13

British America . . . . . 33

Other Countries . . . . . 16

Unknown . . . . . 10

### PARENTAGE.

United States . . . . . 187

Irish . . . . . 265

English . . . . . 16

Scotch . . . . . 4

German . . . . . 21

British American . . . . . 28

Other Countries . . . . . 55

Mixed . . . . . 56

Unknown . . . . . 59

Still-births during the month . . . . . 54

# Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for February, 1887.	Total Mortality for February, 1886.	A G E .																		S E X .			
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM . . . . .	3	1												1	1	1						2	1	
CROUP . . . . .	12	4			4	2	3	3	12													2	10	
CARUNCLE . . . . .																								
CHOLERA MORBUS . . . . .																								
CHOLERA INFANTUM . . . . .	1	1			1				1														1	
CEREBRO-SPINAL MENINGITIS . . . . .																								
CONGESTIVE FEVER . . . . .																								
DIARRHŒA . . . . .	2	11				1			1								1					1	1	
DYSENTERY . . . . .	3			1	1			1	3													2	1	
DIPHTHERIA . . . . .	20	25			8	5	2	3	18	7	3	1										14	15	
ERYSIPELAS . . . . .	1	7															1						1	
INTERMITTENT FEVER . . . . .																								
INFLUENZA . . . . .																								
MEASLES . . . . .	8	1		1	3	4			8													4	4	
PURPURA . . . . .	1				1				1													1		
PURPERAL FEVER. . . . .	2											1		1									2	
PYŒMIA . . . . .																								
REMITTENT FEVER . . . . .																								
RHEUMATISM . . . . .	7	4									1	1	1			3		1				3	4	
SCARLATINA . . . . .	3	9			1	1		2	1													2	1	
SMALL POX . . . . .																								
SYPHILIS (CONGENITAL) . . . . .	5	2	3	2					5													3	2	
SYPHILIS . . . . .																								
SEPTICŒMIA . . . . .	4	3											2	1	1								4	
TONSILLITIS, . . . . .																								
TYPHOID FEVER. . . . .	7	1								1	1	4					1					3	4	
TYPHUS FEVER . . . . .																								
WHOOPING COUGH . . . . .	2	2		1			1		2														2	
YELLOW FEVER . . . . .																								
OTHER ZYMOTIC DISEASES . . . . .																								
II. CONSTITUTIONAL.																								
CANCER . . . . .	25	16												1	5	10	3	5	1			8	17	
HYDROCEPHALUS AND TUBERC. MENINGITIS . . . . .	19	17	1	1	5	4	3	2	1	17		1	1									13	6	
MARASMUS, SCROFULA AND TABES MESENTERICA . . . . .	20	12	9	2	4	2	1		18				1		1							6	14	
PHTHISIS PULMONALIS . . . . .	127	121	2	1		1	1		5		18	40	31	13	11	3	6					59	68	
OTHER CONSTITUTIONAL DISEASES . . . . .	8	8			2				2	1		4				1						2	6	

# of February, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for February, 1887.	Total Mortality for February, 1888.	AGE.																	SEX.				
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 yrs.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
III. LOCAL.																								
Apoplexy . . . . .	20	16										1			1	3	7	3	5			12	8	
Bright's Disease . . . . .	16	15		1						1		1		3	2	5	2	2				6	10	
Bronchitis . . . . .	45	43	2	4	5	10	2	1	1	25	1	1		2		3	3	3	6	1		18	27	
Heart Disease . . . . .	47	34				1		1	1	3		5	6	4	7	6	6	6	4			22	25	
Meningitis . . . . .	14	16	1	1	1	2	2	3	2	12	1				1							9	5	
Nephritis . . . . .	12	9												1		3	5	3				7	5	
Pleurisy . . . . .	2												1					1					2	
Pneumonia . . . . .	59	74	1	3	4	3	2	2	2	17	2	4	2	5	4	4	9	8	4			30	29	
Other Local Diseases . . . . .	95	90	13	7	2		1			23	2	1	9		18	14	10	7	5			43	52	
IV. DEVELOPMENTAL.																								
Cyanosis . . . . .	3	5	3							3												3		
Inanition . . . . .	5	3	4			1				5												3	2	
Old Age . . . . .	28	22															1	9	14	4		13	15	
Premature Birth . . . . .	10	11	10							10												4	6	
Puerp'l Diseases (not including Puerp'l Fever)	3	5											1	2									3	
Other Developmental Diseases . .	19	28	12	1		1				14						2			3			15	4	
V. VIOLENT.																								
Accidental . . . . .	16	17		1		1	1			3		1	2	3		2	2	2	1			14	2	
Homicidal . . . . .	1		1							1													1	
Suicidal . . . . .	4	4											2		2							2	2	
Other Violent Causes . . . . .	2		2							2												2		
Unknown Causes . . . . .	1	2	1							1													1	
TOTAL FROM ALL CAUSES . . . . .	691	639	65	25	27	47	22	15	14	215	16	38	75	63	56	66	56	97	44	5		328	363	
TOTAL FROM ZYMOTIC DISEASES . . . . .	90	71	3	3	6	19	9	6	7	53	9	5	7	4	3	2	4	2	1			37	53	
“ “ CONSTITUTIONAL DISEASES . . . . .	199	174	12	4	9	9	5	2	1	42	1	19	45	33	18	22	7	11	1			88	111	
“ “ LOCAL do. . . . .	310	297	17	16	12	16	7	7	6	81	6	13	18	21	33	38	42	33	24	1		147	163	
“ “ DEVELOPMENTAL do. . . . .	68	74	29	1		2				32			1	2		2	1	9	17	4		38	30	
“ “ VIOLENT CAUSES . . . . .	23	21	3	1		1	1			6		1	4	3	2	2	2	2	1			18	5	

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of February, 1887, and for the corresponding month in 1886.

CASES REPORTED DURING FEBRUARY, 1887.			CASES REPORTED DURING FEBRUARY, 1886.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria . . . . .	93	....	Diphtheria . . . . .	104	....
Measles . . . . .	249	....	Measles . . . . .	12	....
Small Pox . . . . .	1	....	Small Pox . . . . .	....	....
Scarlatina . . . . .	76	....	Scarlatina . . . . .	126	....
Typhoid Fever . . . . .	39	....	Typhoid Fever . . . . .	13	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	...	....



# METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of February, 1887, as reported by O. B. COLE, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.																																								
1	30.543	20.2	64.0	N.	.—	Mean Barometer, 30.162.																																								
2	30.668	19.3	95.7	N.	.24	Highest Barometer, 30.928, on the 5th.																																								
3	30.196	20.9	90.7	W.	.40	Lowest Barometer, 29.209, on the 11th and 27th.																																								
4	30.440	24.3	62.3	N.W.	.00	Monthly Range of Barometer, 1.719.																																								
5	30.850	16.7	49.7	W.	.00	Mean Temperature, 28.9.																																								
6	30.289	33.0	83.3	S.W.	.02	Highest Temperature, 47.6, on the 15th and 24th.																																								
7	30.462	28.4	74.0	N.	.03	Lowest Temperature, 5.2, on the 5th.																																								
8	30.074	36.8	94.3	E.	.30	Monthly Range of Temperature, 42.4.																																								
9	30.030	36.0	48.3	W.	.01	Greatest Daily Range of Temperature, 24.6, on the 15th.																																								
10	30.065	34.3	60.0	S.W.	.00	Least Daily Range of Temperature, 3.6, on the 22d.																																								
11	29.320	38.4	90.7	W.	.31	Mean Daily Range of Temperature, 15.6.																																								
12	30.187	19.0	60.7	W.	.00	Mean Daily Dew-point, 19.2.																																								
13	30.663	13.4	54.7	N.W.	.00	Mean Daily Relative Humidity, 69.4.																																								
14	30.733	18.2	68.7	N.W.	.00	Prevailing Direction of Wind, W.																																								
15	30.009	42.0	84.7	S.W.	.09	Total Movement of Wind, 9,456 Miles.																																								
16	29.759	40.2	72.3	W.	.00	Highest Velocity of Wind and Direction, 52 Miles per hour, N.W., on 11th.																																								
17	29.978	37.4	51.7	W.	.00	Number of Foggy Days, 0.																																								
18	29.923	35.5	87.7	S.E.	1.14	" Clear " 5.																																								
19	29.809	40.3	67.7	W.	.24	" Fair " 12.																																								
20	30.218	31.9	47.0	N.	.00	Number of Cloudy " 11.																																								
21	30.423	29.4	85.0	N.	.01	Total Number of Days on which Rain or Snow fell, 16.																																								
22	30.288	33.0	87.0	E.	.07	Depth of unmelted Snow on ground at end of month, 3 in.																																								
23	30.439	30.6	61.0	S.	.00	Dates of Auroras, on the 12th, 13th and 19th.																																								
24	29.636	37.3	66.3	W.	.39	Dates of Solar Halos, 0.																																								
25	30.275	19.4	41.7	N.W.	.00	Dates of Lunar Halos, 0.																																								
26	30.113	24.3	80.7	E.	.32	Thunder storm, on the 18th.																																								
27	29.317	31.2	64.7	W.	.12	Dates of Frosts,																																								
28	29.842	16.4	47.3	N.W.	.00																																									
						COMPARATIVE TEMPERATURE.																																								
						<table><tr><td>1871 . . . . .</td><td>28.6</td><td>1879 . . . . .</td><td>23.6</td></tr><tr><td>1872 . . . . .</td><td>28.1</td><td>1880 . . . . .</td><td>30.0</td></tr><tr><td>1873 . . . . .</td><td>27.2</td><td>1881 . . . . .</td><td>27.7</td></tr><tr><td>1874 . . . . .</td><td>27.9</td><td>1882 . . . . .</td><td>30.4</td></tr><tr><td>1875 . . . . .</td><td>22.1</td><td>1883 . . . . .</td><td>29.2</td></tr><tr><td>1876 . . . . .</td><td>27.0</td><td>1884 . . . . .</td><td>31.0</td></tr><tr><td>1877 . . . . .</td><td>32.5</td><td>1885 . . . . .</td><td>20.5</td></tr><tr><td>1878 . . . . .</td><td>29.1</td><td>1886 . . . . .</td><td>26.6</td></tr><tr><td colspan="4">1887 . . . . . 28.8*</td></tr></table>	1871 . . . . .	28.6	1879 . . . . .	23.6	1872 . . . . .	28.1	1880 . . . . .	30.0	1873 . . . . .	27.2	1881 . . . . .	27.7	1874 . . . . .	27.9	1882 . . . . .	30.4	1875 . . . . .	22.1	1883 . . . . .	29.2	1876 . . . . .	27.0	1884 . . . . .	31.0	1877 . . . . .	32.5	1885 . . . . .	20.5	1878 . . . . .	29.1	1886 . . . . .	26.6	1887 . . . . . 28.8*							
1871 . . . . .	28.6	1879 . . . . .	23.6																																											
1872 . . . . .	28.1	1880 . . . . .	30.0																																											
1873 . . . . .	27.2	1881 . . . . .	27.7																																											
1874 . . . . .	27.9	1882 . . . . .	30.4																																											
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1887 . . . . . 28.8*																																														
						COMPARATIVE PRECIPITATIONS.																																								
						<table><tr><td></td><td>Inches.</td><td></td><td>Inches.</td></tr><tr><td>1871 . . . . .</td><td>2.87</td><td>1879 . . . . .</td><td>4.35</td></tr><tr><td>1872 . . . . .</td><td>2.31</td><td>1880 . . . . .</td><td>4.11</td></tr><tr><td>1873 . . . . .</td><td>3.21</td><td>1881 . . . . .</td><td>4.89</td></tr><tr><td>1874 . . . . .</td><td>3.41</td><td>1882 . . . . .</td><td>4.77</td></tr><tr><td>1875 . . . . .</td><td>3.74</td><td>1883 . . . . .</td><td>2.74</td></tr><tr><td>1876 . . . . .</td><td>4.54</td><td>1884 . . . . .</td><td>5.74</td></tr><tr><td>1877 . . . . .</td><td>0.45</td><td>1885 . . . . .</td><td>3.00</td></tr><tr><td>1878 . . . . .</td><td>4.40</td><td>1886 . . . . .</td><td>7.04</td></tr><tr><td colspan="4">1887 . . . . . 3.69 inches.†</td></tr></table>		Inches.		Inches.	1871 . . . . .	2.87	1879 . . . . .	4.35	1872 . . . . .	2.31	1880 . . . . .	4.11	1873 . . . . .	3.21	1881 . . . . .	4.89	1874 . . . . .	3.41	1882 . . . . .	4.77	1875 . . . . .	3.74	1883 . . . . .	2.74	1876 . . . . .	4.54	1884 . . . . .	5.74	1877 . . . . .	0.45	1885 . . . . .	3.00	1878 . . . . .	4.40	1886 . . . . .	7.04	1887 . . . . . 3.69 inches.†			
	Inches.		Inches.																																											
1871 . . . . .	2.87	1879 . . . . .	4.35																																											
1872 . . . . .	2.31	1880 . . . . .	4.11																																											
1873 . . . . .	3.21	1881 . . . . .	4.89																																											
1874 . . . . .	3.41	1882 . . . . .	4.77																																											
1875 . . . . .	3.74	1883 . . . . .	2.74																																											
1876 . . . . .	4.54	1884 . . . . .	5.74																																											
1877 . . . . .	0.45	1885 . . . . .	3.00																																											
1878 . . . . .	4.40	1886 . . . . .	7.04																																											
1887 . . . . . 3.69 inches.†																																														
TOTALS .....	844.549	807.8	1941.9																																											
MEANS ..	30.162	28.9	69.4	W	3.69																																									

\* Mean temperature for February for 17 years, 27.8.

† Mean precipitations for February for 17 years, 3.84.

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of March, 1887.

With an enumeration of the more prominent causes ; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M. D.,  
*Chairman.*

Deaths during the month of March, 1887,	835
Population estimated at 400,000.	Rate per 1,000 inhabitants, 25.0

Total number	835	NATIVITY.	
SEX.		United States	539
Males	407	Ireland	175
Females	428	England	17
CONDITION.		Scotland	10
Married	267	Germany	11
Single	449	British America	46
Widows	89	Other Countries	18
Widowers	30	Unknown	19
Unknown	—	PARENTAGE.	
COLOR.		United States	238
White	821	Irish	301
Colored	14	English	18
Total deaths of children	Under 1 year	Scotch	16
	Under 2 years	German	18
	Under 5 years	British American	43
Diarrhœal diseases	Under 1 year	Other Countries	73
	Under 2 years	Mixed	53
	Under 5 years	Unknown	75
	All ages	Still-births during the month	40

# Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for March, 1887.	Total Mortality for March, 1886.	AGE.																		SEX.			
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM . . . . .	3	4										1	1	1								2	1	
CROUP . . . . .	6	13			4	2			6													2	4	
CARBUNCLE . . . . .																								
CHOLERA MORBUS . . . . .		1																						
CHOLERA INFANTUM . . . . .	1	1		1					1														1	
CEREBRO-SPINAL MENINGITIS . . . . .	2	5			1				1			1										2		
CONGESTIVE FEVER . . . . .																								
DIARRHŒA . . . . .	4	8	3	1					4													1	3	
DYSENTERY . . . . .		1																						
DIPHTHERIA . . . . .	24	26			3	5	6	3	3	20	3	1										12	12	
ERYSIPELAS . . . . .	1	5														1						1		
INTERMITTENT FEVER . . . . .																								
INFLUENZA . . . . .	1		1						1													1		
MEASLES . . . . .	10	1	1	1	2	4	1		9	1												5	5	
PURPURA . . . . .	1																1						1	
PUERPERAL FEVER . . . . .	1	2											1										1	
PYŒMIA . . . . .																								
REMITTENT FEVER . . . . .																								
RHEUMATISM . . . . .	2	3												1	1								2	
SCARLATINA . . . . .	6	12			4			1	1	6												5	1	
SMALL POX . . . . .																								
SYPHILIS (CONGENITAL) . . . . .	3	3	2		1				3													2	1	
SYPHILIS . . . . .	1															1						1		
SEPTICŒMIA . . . . .	4	6			1	1			2					1			1					3	1	
TONSILLITIS . . . . .																								
TYPHOID FEVER . . . . .	9	8									1	1	3	3				1				5	4	
TYPHUS FEVER . . . . .																								
WHOOPING COUGH . . . . .	2	3			1	1			2													1	1	
YELLOW FEVER . . . . .																								
OTHER ZYMOTIC DISEASES . . . . .	3														1	1				1		1	2	
II. CONSTITUTIONAL.																								
CANCER . . . . .	31	22												3	4	5	10	6	3			4	27	
HYDROCEPHALUS AND TUBERC. MENINGITIS . . . . .	20	24		1	4	3	3	3	3	17	3											10	10	
MARASMUS, SCROFULA AND TABES MESENTERICA . . . . .	22	18	8	3	2	5				18	2	1	1									11	11	
PHTHISIS PULMONALIS . . . . .	126	144	1		1				2		14	47	26	13	12	9	3					63	58	
OTHER CONSTITUTIONAL DISEASES . . . . .	10	15											1	4	2	1		1		1		5	5	

# of March, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for March, 1887.	Total Mortality for March, 1886.	AGE.																			SEX.	
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.
III. LOCAL.																							
Apoplexy . . . . .	23	24											3	2	3	4	8	3				9	14
Bright's Disease . . . . .	9	16										2	2	1	1	2	1				5		
Bronchitis . . . . .	50	41	6	4	12	4	3	1	2	32				2	2	3	5	3	2	1		26	24
Heart Disease . . . . .	66	68	1						1	2	1	3	1	7	6	13	14	9	10			29	37
Meningitis . . . . .	30	31	5	3	7	6	3	3	1	28	1	1										14	16
Nephritis . . . . .	12	10	1							1		1		1	5	3	1					6	6
Pleurisy . . . . .	1	2											1										1
Pneumonia . . . . .	88	87	3	1	5	4	2	1	3	19	4	5	12	7	9	12	10	6	4			49	39
Other Local Diseases . . . . .	118	102	12	5	3	2		1		23	2	3	17	19	17	9	17	8	2	1		51	67
IV. DEVELOPMENTAL.																							
Cyanosis . . . . .	2	3	2							2												1	1
Inanition . . . . .	10	8	6	2	2					10												3	7
Old Age . . . . .	33	17															2	15	13	3		15	18
Premature Birth . . . . .	16	17	15	1						16												7	9
Puer'l Diseases (not including Puer'l Fever)	3	6											2	1									3
Other Developmental Diseases . .	29	27	19	1		2				22					1	1	2	1	1		1	13	16
V. VIOLENT.																							
Accidental . . . . .	43	20									2	9	10	8	7	4	3					30	13
Homicidal . . . . .	2												1		1							2	
Suicidal . . . . .	4	5										1		1	2							3	1
Other Violent Causes . . . . .																							
Unknown Causes . . . . .	3	2	1		1					2												2	1
TOTAL FROM ALL CAUSES . . . . .	835	810	87	24	44	45	22	13	14	249	15	44	102	90	75	70	81	62	39	7	1	407	428
TOTAL FROM ZYMOTIC DISEASES . . . . .	84	102	7	3	8	18	11	4	4	55	5	2	6	5	3	3	2	1	1	1		44	40
“ “ CONSTITUTIONAL DISEASES . . . . .	209	223	9	4	6	9	3	3	3	37		19	49	34	19	18	19	10	3	1		98	111
“ “ LOCAL do. . . . .	397	381	28	13	27	16	8	6	7	105	8	13	33	41	42	44	53	35	21	2		189	208
“ “ DEVELOPMENTAL do. . . . .	93	77	42	4	2	2				50			2	1	1	1	4	16	14	3	1	39	54
“ “ VIOLENT CAUSES . . . . .	49	25									2	10	11	9	10	4	3					35	14

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of March, 1887, and for the corresponding month in 1886.

CASES REPORTED DURING MARCH, 1887.			CASES REPORTED DURING MARCH, 1886.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria . . . . .	96	....	Diphtheria . . . . .	110	....
Measles . . . . .	252	....	Measles . . . . .	22	....
Small Pox . . . . .	....	....	Small Pox . . . . .	....	....
Scarlatina . . . . .	104	....	Scarlatina . . . . .	144	....
Typhoid Fever . . . . .	31	....	Typhoid Fever . . . . .	36	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....



# METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of March, 1887, as reported by O. B. COLE, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	30.108	20.2	46.0	N.W.	.00	Mean Barometer, 29.860.
2	29.897	35.4	70.3	S.W.	.00	Highest Barometer, 30.811, on the 5th.
3	30.286	27.5	45.0	N.	.00	Lowest Barometer, 29.022, on the 22d.
4	30.455	27.3	55.0	N.W.	.00	Monthly Range of Barometer, 1.789.
5	30.770	18.2	65.3	E.	.00	Mean Temperature, 31.6.
6	30.208	28.8	100.0	E.	.74	Highest Temperature, 52.9, on the 21st.
7	30.089	28.9	89.0	S.E.	—	Lowest Temperature, 9.8, on the 1st.
8	30.253	36.0	54.3	N.W.	.00	Monthly Range of Temperature, 43.1.
9	30.241	31.4	69.0	S.	.00	Greatest Daily Range of Temperature, 25.7, on the 2d.
10	29.771	32.8	97.7	N.	1.06	Least Daily Range of Temperature, 6.2, on the 22d.
11	29.746	27.2	61.0	N.W.	—	Mean Daily Range of Temperature, 15.1.
12	29.807	34.0	61.3	N.W.	.00	Mean Daily Dew-point, 20.4.
13	29.795	38.5	63.0	W.	.00	Mean Daily Relative Humidity, 65.8.
14	29.537	37.9	55.5	N.W.	.00	Prevailing Direction of Wind, N.W.
15	29.429	28.7	61.0	N.W.	.02	Total Movement of Wind, 10,755 Miles.
16	29.349	29.3	59.7	N.W.	—	Highest Velocity of Wind and Direction, 44 Miles per hour, N.E., on 22d.
17	29.286	33.4	62.7	N.W.	—	Number of Foggy Days, 0.
18	29.301	37.5	80.7	N.W.	.04	“ Clear “ 8.
19	29.551	37.0	91.3	N.W.	.09	“ Fair “ 10.
20	29.918	35.9	78.0	S.E.	.01	Number of Cloudy “ 13.
21	29.959	41.1	65.3	S.W.	.00	Total Number of Days on which Rain or Snow fell, 15.
22	29.213	36.0	97.0	N.E.	.52	Depth of unmelted Snow on ground at end of month, 00 in.
23	29.501	27.6	62.0	W.	.01	Dates of Auroras, 0.
24	29.766	33.8	57.0	S.W.	.00	Dates of Solar Halos, 0.
25	29.642	37.2	52.0	W.	.01	Dates of Lunar Halos, 31.
26	30.154	27.4	52.3	W.	.00	Thunder storm, 00
27	30.362	29.2	42.3	N.W.	.00	Dates of Frosts,
28	29.583	39.6	89.3	N.W.	1.32	
29	29.461	23.7	65.3	N.W.	.04	
30	29.954	23.4	49.7	W.	.00	
31	30.287	33.7	41.3	W.	.00	
TOTALS .....	925.679	977.6	2039.3		3.86	
MEANS .....	29.860	31.6	65.8	N.W.	.125	

\* Mean temperature for March for 17 years, 33.7.

† Mean precipitations for March for 17 years, 4.57.

## COMPARATIVE TEMPERATURE.

1871 . . . . .	41.5	1879 . . . . .	33.4
1872 . . . . .	26.8	1880 . . . . .	32.8
1873 . . . . .	35.0	1881 . . . . .	36.4
1874 . . . . .	35.1	1882 . . . . .	35.3
1875 . . . . .	31.3	1883 . . . . .	31.3
1876 . . . . .	32.9	1884 . . . . .	33.5
1877 . . . . .	34.4	1885 . . . . .	27.9
1878 . . . . .	39.4	1886 . . . . .	33.7
1887 . . . . .	31.6*		

## COMPARATIVE PRECIPITATIONS.

	Inches.		Inches.
1871 . . . . .	4.55	1879 . . . . .	3.90
1872 . . . . .	4.03	1880 . . . . .	3.25
1873 . . . . .	3.75	1881 . . . . .	9.86
1874 . . . . .	1.60	1882 . . . . .	3.35
1875 . . . . .	5.04	1883 . . . . .	2.33
1876 . . . . .	7.19	1884 . . . . .	4.86
1877 . . . . .	9.79	1885 . . . . .	1.15
1878 . . . . .	5.91	1886 . . . . .	3.20
1887 . . . . .	3.86 inches.†		

Total snowfall unmelted . . . . . 11.5.

# OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

## Statement of Mortality for the month of April, 1887.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M. D.,

*Chairman.*

Deaths during the month of April, 1887, . . . . . 842

Population estimated at 400,000. . . . . Rate per 1,000 inhabitants, 25.2

Total number . . . . . 842

### SEX.

Males . . . . . 437

Females . . . . . 405

### CONDITION.

Married . . . . . 242

Single . . . . . 477

Widows . . . . . 80

Widowers . . . . . 27

Unknown . . . . . 16

### COLOR.

White . . . . . 817

Colored . . . . . 25

Total deaths of children	Under 1 year . . . . .	186
	Under 2 years . . . . .	232
	Under 5 years . . . . .	281

Diarrhoeal diseases	Under 1 year . . . . .	11
	Under 2 years . . . . .	11
	Under 5 years . . . . .	11
	All ages . . . . .	13

### NATIVITY.

United States . . . . . 561

Ireland . . . . . 162

England . . . . . 18

Scotland . . . . . 6

Germany . . . . . 13

British America . . . . . 37

Other Countries . . . . . 27

Unknown . . . . . 18

### PARENTAGE.

United States . . . . . 222

Irish . . . . . 295

English . . . . . 17

Scotch . . . . . 10

German . . . . . 20

British American . . . . . 37

Other Countries . . . . . 81

Mixed . . . . . 69

Unknown . . . . . 91

Still-births during the month . . . . . 48

Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for		AGE.																	SEX.					
	April, 1887.	April, 1886.	Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total malar. 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.		
I. ZYMOTICS.																									
ALCOHOLISM . . . . .	7	4													5	2							3	4	
CROUP . . . . .	7	1				3	2	1		6	1												4	3	
CARCUNCLE . . . . .																									
CHOLERA MORBUS . . . . .																									
CHOLERA INFANTUM . . . . .	1	6		1						1													1		
CEREBRO-SPINAL MENINGITIS . . . . .	1	1						1		1													1		
CONGESTIVE FEVER . . . . .																									
DIARRHÆA . . . . .	11	13	6	3						9		1		1									8	3	
DYSENTERY . . . . .	1	2		1						1													1		
DIPHTHERIA . . . . .	10	22			2	2	5	3	1	13	5		1										11	8	
ERYSIPELAS . . . . .	5	6	1		1					2				1	1		1						3	2	
INTERMITTENT FEVER . . . . .																									
INFLUENZA . . . . .																									
MEASLES . . . . .	18	1	1		7	6	1		1	16	1		1										10	8	
PURPURA . . . . .		2																							
PURPERAL FEVER . . . . .	2	3											1	1										2	
PYÆMIA . . . . .		2																							
REMITTENT FEVER . . . . .																									
RHEUMATISM . . . . .	2	2									1				1								1	1	
SCARLATINA . . . . .	10	15				2	3		4	9			1										7	3	
SMALL POX . . . . .																									
SYPHILIS (CONGENITAL) . . . . .	1	1		1						1													1		
SYPHILIS . . . . .	2										1		1										2		
SEPTICÆMIA . . . . .	2	1											1		1								1	1	
TONSILLITIS . . . . .																									
TYPHOID FEVER . . . . .	15	4			1					1			9	3	1	1							9	6	
TYPHUS FEVER . . . . .																									
WHOOPING COUGH . . . . .	4	4			1	1	1		1	4													1	3	
YELLOW FEVER . . . . .																									
OTHER ZYMOTIC DISEASES . . . . .	1	1		1						1													1		
II. CONSTITUTIONAL.																									
CANCER . . . . .	22	30									1		5	2	8	6							6	16	
HYDROCEPHALUS AND TUBERC. MENINGITIS . .	26	20	1	1	4	9	4	1		20	4		1	1									14	12	
MARASMUS, SCROFULA AND TABES MESENTERICA	30	23	12	6	4	4	1			27	1		2										15	15	
PHTHIRIS PULMONALIS . . . . .	128	134	1	2	2	2	2			9		12	40	24	20	13	9	1						67	61
OTHER CONSTITUTIONAL DISEASES . .	8	7	1							1		2	4		1									4	4

# of April, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for April, 1887.	Total Mortality for April, 1886.	AGE.																				SEX.										
			Under 3 mos. 3 mos. and under 6 mos. 6 mos. and under 1 year. 1 year and under 2 yrs. 2 years and under 3 yrs. 3 years and under 4 yrs. 4 years and under 5 yrs. 5 years and under 6 yrs. 6 years and under 7 yrs. 7 years and under 8 yrs. 8 years and under 9 yrs. 9 years and under 10 yrs. 10 years and under 15 yrs. 15 years and under 20 yrs. 20 years and under 30 yrs. 30 years and under 40 yrs. 40 years and under 50 yrs. 50 years and under 60 yrs. 60 years and under 70 yrs. 70 years and under 80 yrs. 80 years and under 90 yrs. 90 years and under 100 yrs. 100 years and over.	Males.	Females.																												
III. LOCAL.																																	
Apoplexy . . . . .	32	25															1		4	5	10	9	3								14	18	
Bright's Disease . . . . .	11	19															1	1	5	4												6	
Bronchitis . . . . .	33	35	6	5	5	3	3		1	23									3	2	4	1										20	13
Heart Disease . . . . .	59	42		1						1	1	1	4	10	9	10	13	7	2	1												30	29
Meningitis . . . . .	31	19	1	2	9	4	4	1		21	3	3	2	1							1											20	11
Nephritis . . . . .	14	12			1		1	1		3							1	3				4	3									9	5
Pleurisy . . . . .	3	3															1			1		1										1	2
Pneumonia . . . . .	96	87	1	3	5	6	2		1	18	7	4	8	10	12	10	13	9	5													53	43
Other Local Diseases . . . . .	125	89	23	8	5	1			1	38	4	5	6	19	11	16	16	9		1												53	72
IV. DEVELOPMENTAL.																																	
Cyanosis . . . . .	5	2	5								5																					3	2
Inanition . . . . .	2	5	1	1							2																					2	
Old Age . . . . .	30	19																				1	9	16	4							8	22
Premature Birth . . . . .	19	18	19							19																						8	11
Puerp'l Diseases (not including Puerp'l Fever)	2	5															2																2
Other Developmental Diseases . .	28	23	20	2	1	1				24									1	1	1	1										15	13
V. VIOLENT.																																	
Accidental . . . . .	23	19	1			2	1		1	5	2	2	3	2	5	3							1									20	3
Homicidal . . . . .	1	2																				1										1	
Suicidal . . . . .	4	8												1		2	1															2	2
Other Violent Causes . . . . .																																	
Unknown Causes . . . . .	1	2																				1										1	
TOTAL FROM ALL CAUSES . . . . .	812	739	100	38	48	46	30	8	11	281	30	32	88	91	80	75	81	50	28	6											437	405	
TOTAL FROM ZYMOTIC DISEASES . . . . .																																	
TOTAL FROM ZYMOTIC DISEASES . . . . .	109	91	8	7	12	14	12	5	7	65	8	2	14	12	6	1	1														65	44	
" " Constitutional Diseases . . . . .	214	214	15	9	10	15	7	1		57	5	15	45	32	23	21	15	1													106	108	
" " LOCAL do. . . . .	404	331	31	19	25	14	10	2	3	104	15	13	23	45	44	48	61	39	10	2											206	198	
" " DEVELOPMENTAL do. . . . .	86	72	45	3	1	1				50			2			1	2	10	17	4											36	50	
" " VIOLENT CAUSES . . . . .	28	29	1			2	1		1	5	2	2	4	2	7	4	1														23	5	

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of April, 1887, and for the corresponding month in 1886.

CASES REPORTED DURING APRIL, 1887.			CASES REPORTED DURING APRIL, 1886.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria . . . . .	103	....	Diphtheria . . . . .	66	....
Measles . . . . .	243	....	Measles . . . . .	75	....
Small Pox . . . . .	....	....	Small Pox . . . . .	....	....
Scarlatina . . . . .	103	....	Scarlatina . . . . .	161	....
Typhoid Fever . . . . .	74	....	Typhoid Fever . . . . .	16	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	...	....



# METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of April, 1887, as reported by O. B. COLE, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	30.190	35.3	72.7	N.E.	.01	Mean Barometer, 29.950.
2	29.602	30.7	100.0	N.E.	.22	Highest Barometer, 30.678, on the 8th.
3	29.889	44.4	47.3	W.	.00	Lowest Barometer, 29.127, on the 29th.
4	29.800	44.3	82.3	S.W.	.00	Monthly Range of Barometer, 1.551.
5	29.795	36.3	67.3	W.	.03	Mean Temperature, 43.9.
6	30.122	31.7	45.3	N.W.	.00	Highest Temperature, 79.6, on the 10th.
7	30.456	35.5	38.7	N.W.	.00	Lowest Temperature, 23.0, on the 6th.
8	30.574	36.9	58.0	N.W.	.00	Monthly Range of Temperature, 56.6.
9	30.226	51.6	54.3	W.	.00	Greatest Daily Range of Temperature, 29.7, on the 9th.
10	29.942	65.4	47.3	W.	.00	Least Daily Range of Temperature, 7.0, on the 16th.
11	29.966	59.3	51.3	W.	—	Mean Daily Range of Temperature, 16.4.
12	30.309	40.1	60.0	E.	.00	Mean Daily Dew-point, 30.3.
13	30.364	37.4	50.3	N.	.00	Mean Daily Relative Humidity, 62.2.
14	30.205	40.0	39.0	N.	.00	Prevailing Direction of Wind, W.
15	30.012	40.8	51.7	S.E.	—	Total Movement of Wind, 9,315 Miles.
16	29.623	38.6	93.3	N.	.46	Highest Velocity of Wind and Direction, 40 Miles per hour, N., on 2d.
17	29.835	38.8	51.0	N.W.	.00	Number of Foggy Days, 0.
18	29.818	25.8	87.0	E.	.33	“ Clear “ 9.
19	29.837	38.8	56.3	N.	.02	“ Fair “ 14.
20	30.039	47.5	44.3	W.	.00	Number of Cloudy “ 7.
21	30.106	47.2	52.0	N.W.	.00	Total Number of Days on which Rain or Snow fell, 15.
22	30.117	50.6	54.7	W.	.00	Depth of unmelted Snow on ground at end of month, 00 in.
23	29.939	50.4	67.0	S.	.01	Dates of Auroras, 0.
24	29.845	48.2	77.0	N.W.	.12	Dates of Solar Halos, 0.
25	29.988	50.7	55.7	S.	—	Dates of Lunar Halos, 0.
26	29.732	46.3	71.3	N.	.81	Thunder storm, 0.
27	29.904	52.1	45.0	W.	.00	Dates of Frosts, Light on 21st.
28	29.713	47.6	86.7	S.E.	.13	
29	29.166	49.5	95.7	S.	.29	
30	29.379	51.2	62.0	W.	.19	
TOTALS .....	898.493	1316.0	1864.5		2.62	
MEANS ..	29.950	43.9	62.2		.087	

\* Mean temperature for April for 17 years, 44.1.

† Mean precipitations for April for 17 years, 3.80.

## COMPARATIVE TEMPERATURE.

1871 . . . . .	47.0	1879 . . . . .	42.2
1872 . . . . .	44.6	1880 . . . . .	46.2
1873 . . . . .	47.1	1881 . . . . .	42.8
1874 . . . . .	37.0	1882 . . . . .	42.0
1875 . . . . .	42.1	1883 . . . . .	44.3
1876 . . . . .	43.2	1884 . . . . .	42.7
1877 . . . . .	43.9	1885 . . . . .	46.3
1878 . . . . .	47.2	1886 . . . . .	47.7
1887 . . . . .	43.9*		

## COMPARATIVE PRECIPITATIONS.

	Inches.		Inches.
1871 . . . . .	3.79	1879 . . . . .	6.54
1872 . . . . .	1.31	1880 . . . . .	2.85
1873 . . . . .	3.83	1881 . . . . .	1.66
1874 . . . . .	7.99	1882 . . . . .	2.50
1875 . . . . .	4.92	1883 . . . . .	2.83
1876 . . . . .	3.61	1884 . . . . .	4.76
1877 . . . . .	4.19	1885 . . . . .	3.30
1878 . . . . .	6.14	1886 . . . . .	1.70
1887 . . . . .	2.62 inches. †		

# OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

## Statement of Mortality for the month of May, 1887.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M. D.,  
*Chairman.*

Deaths during the month of May, 1887, . . . . .	785
Population estimated at 400,000.	Rate per 1,000 inhabitants, 23.5

Total number . . . . . 785

### SEX.

Males . . . . . 396

Females . . . . . 389

### CONDITION.

Married . . . . . 329

Single . . . . . 453

Widows . . . . . 62

Widowers . . . . . 34

Unknown . . . . . 7

### COLOR.

White . . . . . 762

Colored . . . . . 23

Total deaths of children	Under 1 year . . . . .	155
	Under 2 years . . . . .	198
	Under 5 years . . . . .	253

Diarrhœal diseases	Under 1 year . . . . .	9
	Under 2 years . . . . .	10
	Under 5 years . . . . .	10
	All ages . . . . .	11

### NATIVITY.

United States . . . . . 476

Ireland . . . . . 210

England . . . . . 12

Scotland . . . . . 4

Germany . . . . . 19

British America . . . . . 36

Other Countries . . . . . 19

Unknown . . . . . 9

### PARENTAGE.

United States . . . . . 188

Irish . . . . . 325

English . . . . . 16

Scotch . . . . . 5

German . . . . . 27

British American . . . . . 36

Other Countries . . . . . 66

Mixed . . . . . 63

Unknown . . . . . 59

Still-births during the month . . . . . 36

# Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for May, 1887.	Total Mortality for May, 1886.	AGE.																			SEX.		
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM . . . . .	5	6										1	1	2	1							3	2	
CROUP . . . . .	8	5			2	1	3	6	2													5	3	
CARBUNCLE . . . . .		2																						
CHOLERA MORBUS . . . . .																								
CHOLERA INFANTUM . . . . .	4	4	1	2	1					4												2	2	
CEREBRO-SPINAL MENINGITIS . . . . .	1	2													1								1	
CONGESTIVE FEVER . . . . .																								
DIARRHŒA . . . . .	4	11	2	1	1					4												2	2	
DYSENTERY . . . . .	3				1	1			2						1							1	2	
DIPHTHERIA . . . . .	22	22		1	1	2	2	1	7	14	5	1	1		1							13	9	
ERYSIPELAS . . . . .	5	9	2							2		1			1	1						2	3	
INTERMITTENT FEVER . . . . .																								
INFLUENZA . . . . .	1					1				1													1	
MEASLES . . . . .	17			2	3	6	2	2	1	16	1											10	7	
PURPURA . . . . .																								
PURPERAL FEVER. . . . .	2	1										1	1										2	
PYÆMIA . . . . .		3																						
REMITTENT FEVER . . . . .																								
RHEUMATISM . . . . .	6	4										1	1	1	1		2					2	4	
SCARLATINA . . . . .	13	12			1	1	6		3	11	1	1										7	6	
SMALL POX . . . . .																								
SYPHILIS (CONGENITAL) . . . . .	3	2		3						3												2	1	
SYPHILIS . . . . .																								
SEPTICÆMIA . . . . .																								
TONSILLITIS, . . . . .	1						1			1												1		
TYPHOID FEVER. . . . .	17	4										4	7	3			3					9	8	
TYPHUS FEVER . . . . .																								
WHOOPING COUGH . . . . .	5	5	2		2	1				5												4	1	
YELLOW FEVER . . . . .																								
OTHER ZYMOTIC DISEASES . . . . .	1															1						1		
II. CONSTITUTIONAL.																								
CANCER . . . . .	25	27											2	1	8	1	8	3	2			6	19	
HYDROCEPHALUS AND TUBERC. MENINGITIS . .	30	14	1	4	6	6	5	4	1	27	3											17	13	
MARASMUS, SCROFULA AND TABES MESENTERICA	25	19	8	5	6	3				22	1		1	1								8	17	
PHTHISIS PULMONALIS . . . . .	144	133				2	1			3	1	13	49	39	15	13	8	3				67	77	
OTHER CONSTITUTIONAL DISEASES . .	7	16					1			1		1	2	1		1	1					5	2	

of May, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for May, 1887.	Total Mortality for May, 1886.	AGE.																			SEX.	
			Under 3 mos. 3 mos. and under 6 mos. 6 mos. and under 1 year. 1 year and under 2 yrs. 2 years and under 3 yrs. 3 years and under 4 yrs. 4 years and under 5 yrs. Total under 5 years. 5 years and under 10 yrs. 10 years and under 20 yrs. 20 years and under 30 yrs. 30 years and under 40 yrs. 40 years and under 50 yrs. 50 years and under 60 yrs. 60 years and under 70 yrs. 70 years and under 80 yrs. 80 years and under 90 yrs. 90 years and under 100 yrs. 100 years and over.																Males.	Females.			
III. LOCAL.																							
Apoplexy . . . . .	27	28				1				1		1	1	1	2	4	8	5	3	1		12	15
Bright's Disease . . . . .	9	18										1		1	3	2	2				7	2	
Bronchitis . . . . .	44	33	4	4	10	6	1		1	26	1		1	1	2	3	5	3	1		25	19	
Heart Disease . . . . .	37	55	2							2		2	3	4	4	11	6	3	2		22	15	
Meningitis . . . . .	21	29	2	3	4	3		1	1	14	4	1			1	1				10	11		
Nephritis . . . . .	12	6														2	3	4	2	1	4	8	
Pleurisy . . . . .	1	1	1							1											1		
Pneumonia . . . . .	82	62	1	3	4	4	1	3		16	1	3	14	8	16	9	5	7	2	1	47	35	
OTHER LOCAL DISEASES . . . . .	90	110	10	1	7	3	4			25	2	6	5	13	12	9	9	6	3		48	42	
IV. DEVELOPMENTAL.																							
Cyanosis . . . . .	2	1	2							2												2	
Inanition . . . . .	6	2	6							6											2	4	
Old Age . . . . .	25	21															3	10	11	1	8	17	
Premature Birth . . . . .	21	11	21							21											8	13	
Puerp'l Diseases (not including Puerp'l Fever)	3	1												2	1							3	
OTHER DEVELOPMENTAL DISEASES . . . . .	18	20	7	1	3					11		1	1		2			1	2		8	10	
V. VIOLENT.																							
Accidental . . . . .	30	34	2			1		2		5	2		6	3	7	4		1	1	1	22	8	
Homicidal . . . . .																							
Suicidal . . . . .	4	2												1	2	1					3	1	
OTHER VIOLENT CAUSES . . . . .																							
UNKNOWN CAUSES . . . . .	4	2	1							1				2				1			2	2	
TOTAL FROM ALL CAUSES . . . . .	785	737	75	30	50	43	25	16	14	253	24	37	97	83	81	66	62	47	36	5	396	389	
TOTAL FROM ZYMOTIC DISEASES . . . . .																							
" " CONSTITUTIONAL DISEASES . . . . .	231	209	9	9	12	11	7	4	1	53	5	14	54	42	23	15	17	6	2		103	128	
" " LOCAL do. . . . .	323	342	20	11	25	17	6	4	2	85	8	14	24	28	41	41	37	28	14	3	176	147	
" " DEVELOPMENTAL do. . . . .	75	56	36	1	3					40		1	1	2	3		3	11	13	1	26	49	
" " VIOLENT CAUSES . . . . .	34	36	2			1		2		5	2		6	4	9	5		1	1	1	25	9	

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of May, 1887, and for the corresponding month in 1886.

CASES REPORTED DURING MAY, 1887.			CASES REPORTED DURING MAY, 1886.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria . . . . .	75	....	Diphtheria . . . . .	73	....
Measles . . . . .	523	....	Measles . . . . .	134	....
Small Pox . . . . .	2	....	Small Pox . . . . .	....	....
Scarlatina . . . . .	99	....	Scarlatina . . . . .	115	....
Typhoid Fever . . . . .	116	....	Typhoid Fever . . . . .	29	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	...	....



# METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of May, 1887, as reported by J. H. MELTON, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	29.92	58.3	49.3	N.W.	.00	Mean Barometer, 30.057.
2	30.31	54.3	50.0	E.	.00	Highest Barometer, 30.385, on the 31st.
3	30.29	63.0	73.3	S.	.00	Lowest Barometer, 29.565, on the 26th.
4	30.00	68.5	52.3	S.W.	.00	Monthly Range of Barometer, .820.
5	30.04	63.7	49.0	N.W.	.00	Mean Temperature, 59.3.
6	30.25	51.0	80.7	E.	.—	Highest Temperature, 89.3, on the 20th.
7	30.53	48.3	84.3	E.	.12	Lowest Temperature, 44.7, on the 14th.
8	30.21	51.3	94.3	E.	.10	Monthly Range of Temperature, 44.6.
9	30.24	55.7	81.3	E.	.00	Greatest Daily Range of Temperature, 38.9, on the 10th.
10	30.11	72.0	50.7	S.W.	.00	Least Daily Range of Temperature, 3.0, on the 29th.
11	30.02	69.7	20.7	N.W.	.00	Mean Daily Range of Temperature, 15.8.
12	29.97	62.0	28.3	N.	.00	Mean Daily Dew-point, 46.4.
13	30.11	51.3	52.0	S.E.	.00	Mean Daily Relative Humidity, 67.6.
14	30.30	54.0	48.3	S.W.	.00	Prevailing Direction of Wind, E.
15	30.27	55.0	59.0	S.	.00	Total Movement of Wind, 7,458 Miles.
16	30.14	54.0	57.3	S.E.	.00	Highest Velocity of Wind and Direction, 30 Miles per hr., N.W., 11th & 12th.
17	29.95	54.3	74.7	E.	.00	Number of Foggy Days, 1.
18	29.88	52.7	98.0	E.	.00	“ Clear “ 16.
19	29.96	69.0	48.0	S.W.	.00	“ Fair “ 8.
20	30.04	76.7	39.0	W.	.00	Number of Cloudy “ 7.
21	30.22	58.7	69.3	E.	.00	Total Number of Days on which Rain or Snow fell, 9.
22	30.17	64.0	68.7	S.W.	.00	Depth of unmelted snow on ground at end of month, 00 in.
23	29.97	72.0	61.0	S.W.	.00	Dates of Auroras, 2.
24	29.86	70.3	76.3	S.W.	.00	Dates of Solar Halos, 0.
25	29.69	67.0	88.7	S.	.12	Dates of Lunar Halos, on 4th.
26	29.59	64.3	87.0	E.	.20	Thunder storm, 0.
27	29.67	56.7	93.3	N.E.	.11	Dates of Frosts,
28	29.82	48.0	96.0	N.E.	.09	
29	29.93	48.0	93.0	N.E.	.03	
30	30.15	52.7	87.3	E.	.—	
31	30.36	53.3	84.7	E.	.00	
TOTALS .....	931.77	1857.0	2093.8		1.67	
MEANS .....	30.057	59.3	87.5		.054	

COMPARATIVE TEMPERATURE.		
1871 . . . . .	57.9	1879 . . . . . 59.9
1872 . . . . .	58.3	1880 . . . . . 62.6
1873 . . . . .	55.6	1881 . . . . . 54.9
1874 . . . . .	56.9	1882 . . . . . 49.8
1875 . . . . .	57.8	1883 . . . . . 55.5
1876 . . . . .	54.5	1884 . . . . . 63.8
1877 . . . . .	55.2	1885 . . . . . 52.3
1878 . . . . .	55.7	1886 . . . . . 56.2
1887 . . . . .	59.3	

COMPARATIVE PRECIPITATIONS.		
	Inches.	Inches.
1871 . . . . .	4.34	1879 . . . . . .97
1872 . . . . .	3.29	1880 . . . . . 1.63
1873 . . . . .	5.16	1881 . . . . . 4.16
1874 . . . . .	3.70	1882 . . . . . 6.05
1875 . . . . .	3.76	1883 . . . . . 5.11
1876 . . . . .	2.70	1884 . . . . . 3.31
1877 . . . . .	3.38	1885 . . . . . 4.26
1878 . . . . .	1.03	1886 . . . . . 3.08
1887 . . . . .	1.67 inches.	

# OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

## Statement of Mortality for the month of June, 1887.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M. D.,  
Chairman.

Deaths during the month of June, 1887, . . . . . 654  
Population estimated at 400,000. . . . . Rate per 1,000 inhabitants, 19.6

Total number . . . . . 654

### SEX.

Males . . . . . 340

Females . . . . . 314

### CONDITION.

Married . . . . . 182

Single . . . . . 378

Widows . . . . . 61

Widowers . . . . . 21

Unknown . . . . . 12

### COLOR.

White . . . . . 640

Colored . . . . . 14

Total deaths of children { Under 1 year . . . . . 116  
Under 2 years . . . . . 167  
Under 5 years . . . . . 210

Diarrhœal diseases { Under 1 year . . . . . 10  
Under 2 years . . . . . 12  
Under 5 years . . . . . 12  
All ages . . . . . 13

### NATIVITY.

United States . . . . . 435

Ireland . . . . . 134

England . . . . . 17

Scotland . . . . . 5

Germany . . . . . 9

British America . . . . . 32

Other Countries . . . . . 14

Unknown . . . . . 8

### PARENTAGE.

United States . . . . . 162

Irish . . . . . 265

English . . . . . 20

Scotch . . . . . 10

German . . . . . 16

British American . . . . . 32

Other Countries . . . . . 66

Mixed . . . . . 42

Unknown . . . . . 41

Still-births during the month . . . . . 44

Total Deaths with Principal Causes for the month

[illegible]

# of June, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	AGE.																				SEX.		
	Total Mortality for June, 1887.	Total Mortality for June, 1886.	Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.
III. LOCAL.																							
Apoplexy . . . . .	29	16										1		2	5	5	5	7	4			12	17
Bright's Disease . . . . .	9	8											1	1	2		4	1				5	
Bronchitis . . . . .	23	18	2	1	4	6	3			16		1					2	3	1			13	10
Heart Disease . . . . .	41	40	1							1	1		2	9	10	4	9	4	1			17	24
Meningitis . . . . .	26	19		3	8	6		1		18	1	2		3		1	1					17	9
Nephritis . . . . .	8	9									1		1	1	2	1	1	1				4	4
Pleurisy . . . . .	1	3									1											1	
Pneumonia . . . . .	39	39	1	2	1	6	1	1	2	14	4	1	4	3	5	2	3	2	1			22	17
Other Local Diseases . . . . .	87	109	11	1	3	3	3	1	2	24	1	3	5	10	11	11	12	6	4			40	47
IV. DEVELOPMENTAL.																							
Cyanosis . . . . .	1	4	1							1												1	
Inanition . . . . .	6		4	1			1			6												4	2
Old Age . . . . .	18	16														2	2	5	9			5	13
Premature Birth . . . . .	9	15	8	1						9												7	2
Puerp'l Diseases (not including Puerp'l Fever)	2	3											2										2
Other Developmental Diseases . .	20	18	17							17						1		1	1			10	10
V. VIOLENT.																							
Accidental . . . . .	35	25				2			3	5	5	3	9	6	2	2	3					27	8
Homicidal . . . . .		1																					
Suicidal . . . . .	6	4											1	4		1						4	2
Other Violent Causes . . . . .																							
Unknown Causes . . . . .	1	5													1							1	
TOTAL FROM ALL CAUSES . . . . .	654	637	64	18	34	51	20	10	13	210	20	40	79	63	62	55	57	36	22	1		340	314
TOTAL FROM ZYMOTIC DISEASES . . . . .	99	86	8	5	8	18	8	6	5	58	11	10	11	2	3	2	2					52	47
“ “ CONSTITUTIONAL DISEASES . . .	194	199	11	4	10	10	4	1	1	41	4	19	43	22	21	23	13	6	1	1		98	96
“ “ LOCAL do. . . . .	263	261	15	7	16	21	7	3	4	73	9	8	18	29	35	24	37	24	11			131	132
“ “ DEVELOPMENTAL do. . . . .	56	56	30	2			1			33			2			3	2	6	10			27	29
“ “ VIOLENT CAUSES . . . . .	41	30				2			3	5	5	3	10	10	2	3	3					31	10

## Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of June, 1887, and for the corresponding month in 1886.

CASES REPORTED DURING JUNE, 1887.			CASES REPORTED DURING JUNE, 1886.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria . . . . .	68	....	Diphtheria . . . . .	95	....
Measles . . . . .	435	1	Measles . . . . .	77	2
Small Pox . . . . .	....	....	Small Pox . . . . .	....	....
Scarlatina . . . . .	62	....	Scarlatina . . . . .	99	....
Typhoid Fever . . . . .	44	....	Typhoid Fever . . . . .	28	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	...	....



# METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of June, 1887, as reported by OTTO B. COLE, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	30.22	52.0	98.7	N.E.	.66	Mean Barometer, 30.017.
2	29.97	58.0	94.0	E.	.42	Highest Barometer, 30.35, on the 11th.
3	29.69	65.3	79.0	S.	T*	Lowest Barometer, 29.63, on the 9th.
4	30.02	58.0	86.3	N.E.	.00	Monthly Range of Barometer, 0.72.
5	30.27	55.0	70.7	E.	.00	Mean Temperature, 64.5.
6	30.18	64.7	64.0	S.W.	.00	Highest Temperature, 89.0, on the 29th.
7	30.02	67.7	76.0	S.W.	.00	Lowest Temperature, 47.5, on the 1st.
8	29.87	66.0	88.3	S.W.	.00	Monthly Range of Temperature, 41.5.
9	29.75	61.3	84.3	N.E.	.00	Greatest Daily Range of Temperature, 27.5, on the 16th.
10	30.13	55.3	74.7	E.	.00	Least Daily Range of Temperature, 6.4, on the 5th.
11	30.31	60.3	49.3	S.E.	.00	Mean Daily Range of Temperature, 16.5.
12	30.19	62.0	47.7	E.	.00	Mean Daily Dew-point, 54.2.
13	29.91	74.0	51.0	N.	.00	Mean Daily Relative Humidity, 71.7.
14	30.16	58.3	67.3	E.	.00	Prevailing Direction of Wind, E.
15	30.20	58.3	69.7	E.	.00	Total Movement of Wind, 7,198 Miles.
16	29.81	69.3	64.0	S.W.	.00	Highest Velocity of Wind and Direction, 32 Miles per hr., N.E., on 14th.
17	29.69	68.0	75.7	E.	.00	Number of Foggy Days, 0.
18	29.75	61.3	55.3	N.E.	.00	"    Clear    "    9.
19	29.77	66.3	58.0	S.	T*	"    Fair    "    13.
20	29.93	62.0	91.0	E.	.00	Number of Cloudy    "    8.
21	29.95	59.0	98.0	E.	T*	Total Number of Days on which Rain or Snow fell, 8.
22	29.81	67.7	91.0	S.	.11	Depth of unmelted Snow on ground at end of month, 00 in.
23	29.88	69.7	89.3	S.	.41	Dates of Auroras, 0.
24	29.91	73.3	71.0	S.	.38	Dates of Solar Halos, 0.
25	30.14	69.0	54.0	N.W.	.00	Dates of Lunar Halos, 0.
26	30.23	66.0	62.0	N.	.00	Thunder storm, on 22d.
27	30.26	66.3	62.3	N.	.00	Dates of Frosts, 0.
28	30.23	69.7	63.0	S.E.	.00	
29	30.17	76.3	60.3	W.	.00	
30	30.11	79.3	54.3	W.	.00	
31					.00	
TOTALS .....	900.53	1034.4	2150.2		1.98	
MEANS .....	30.018	64.5	71.7	E.	.066	

COMPARATIVE TEMPERATURE.			
1871 . . . . .	65.9	1879 . . . . .	64.1
1872 . . . . .	68.2	1880 . . . . .	67.3
1873 . . . . .	67.8	1881 . . . . .	60.6
1874 . . . . .	66.1	1882 . . . . .	65.9
1875 . . . . .	66.7	1883 . . . . .	69.0
1876 . . . . .	68.1	1884 . . . . .	66.0
1877 . . . . .	66.8	1885 . . . . .	66.4
1878 . . . . .	64.1	1886 . . . . .	63.1
1887 . . . . .		64.5	

COMPARATIVE PRECIPITATIONS.			
Inches.		Inches.	
1871 . . . . .	5.47	1879 . . . . .	6.24
1872 . . . . .	4.87	1880 . . . . .	0.75
1873 . . . . .	0.64	1881 . . . . .	7.79
1874 . . . . .	3.94	1882 . . . . .	1.03
1875 . . . . .	7.25	1883 . . . . .	2.07
1876 . . . . .	1.72	1884 . . . . .	4.01
1877 . . . . .	3.21	1885 . . . . .	3.70
1878 . . . . .	2.28	1886 . . . . .	1.34
1887 . . . . .		1.98 inches.	

Average June temperature for 15 years, 66.2.

Average June rainfall for 15 years, 3.510.

\*T indicates trace of rainfall.

# OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

## Statement of Mortality for the month of July, 1887.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M. D.,  
*Chairman.*

Deaths during the month of July, 1887,	. . . . .	1119
Population estimated at 400,000.	Rate per 1,000 inhabitants,	33.57

Total number . . . . . 1119

### SEX.

Males . . . . . 572

Females . . . . . 547

### CONDITION.

Married . . . . . 229

Single . . . . . 771

Widows . . . . . 80

Widowers . . . . . 30

Unknown . . . . . 9

### COLOR.

White . . . . . 1094

Colored . . . . . 25

Total deaths of children	{	Under 1 year . . . . .	417
		Under 2 years . . . . .	519
		Under 5 years . . . . .	567

Diarrhoeal diseases	{	Under 1 year . . . . .	222
		Under 2 years . . . . .	263
		Under 5 years . . . . .	268
		All ages . . . . .	292

### NATIVITY.

United States . . . . . 803

Ireland . . . . . 187

England . . . . . 29

Scotland . . . . . 5

Germany . . . . . 14

British America . . . . . 43

Other Countries . . . . . 19

Unknown . . . . . 19

### PARENTAGE.

United States . . . . . 255

Irish . . . . . 397

English . . . . . 39

Scotch . . . . . 10

German . . . . . 34

British American . . . . . 58

Other Countries . . . . . 116

Mixed . . . . . 111

Unknown . . . . . 99

Still-births during the month . . . . . 34

# Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for July, 1887.	Total Mortality for July, 1886.	AGE.																			SEX.	
			Under 3 mos. 3 mos. and under 6 mos. 6 months and under 1 year. 1 year and under 2 yrs. 2 years and under 3 yrs. 3 years and under 4 yrs. 4 years and under 5 yrs. Total under 5 years. 5 years and under 10 yrs. 10 years and under 20 yrs. 20 years and under 30 yrs. 30 years and under 40 yrs. 40 years and under 50 yrs. 50 years and under 60 yrs. 60 years and under 70 yrs. 70 years and under 80 yrs. 80 years and under 90 yrs. 90 years and under 100 yrs. 100 years and over.	Males.	Females.																		
I. ZYMOTICS.																							
ALCOHOLISM . . . . .	5	1														1	2					4	1
CROUP . . . . .	2	7						2		2												2	
CARBUNCLE . . . . .																							
CHOLERA MORBUS . . . . .	8	6		2						2	2					1			1	1	1	4	4
CHOLERA INFANTUM . . . . .	233	170	39	67	85	37	2	1	1	232	1											134	99
CEREBRO-SPINAL MENINGITIS . . . . .	4	2			1	1				2	1	1										2	2
CONGESTIVE FEVER . . . . .																							
DIARRHŒA . . . . .	35	27	13	8	6	2				29				1					2	3		13	22
DYSENTERY . . . . .	16	14			2	2	1			5	1		1	2		1	2	3	1			6	10
DIPHTHERIA . . . . .	11	22			1	1	1	1		4	6	1										3	8
ERYSIPELAS . . . . .	2			1						1							1						2
INTERMITTENT FEVER . . . . .																							
INFLUENZA . . . . .																							
MEASLES . . . . .	30	2	1	1	7	12	4		3	28			2									14	16
PURPURA . . . . .		1																					
PURPERAL FEVER . . . . .	2	1												2									2
PYŒMIA . . . . .	2	2	1							1	1												2
REMITTENT FEVER . . . . .																							
RHEUMATISM . . . . .	7	1										1		2	1	1	1	1				3	4
SCARLATINA . . . . .	4	1				2		1		3	1											1	3
SMALL POX . . . . .																							
SYPHILIS (CONGENITAL) . . . . .	1	1				1				1												1	
SYPHILIS . . . . .		1																					
SEPTICÆMIA . . . . .	2	3											1				1					1	1
TONSILLITIS . . . . .																							
TYPHOID FEVER . . . . .	13	10									1	3	6	2	1							7	6
TYPHUS FEVER . . . . .																							
WHOOPING COUGH . . . . .	15	4	1	2	5	4	2	1		15												6	9
YELLOW FEVER . . . . .																							
OTHER ZYMOTIC DISEASES . . . . .	2														1	1						1	1
II. CONSTITUTIONAL.																							
CANCER . . . . .	25	26											2	2	2	5	10	3		1		11	14
HYDROCEPHALUS AND TUBERC. MENINGITIS . . . . .	21	19		3	6	5	1	1	1	17		1	2	1								11	10
MARASMUS, SCROFULA AND TABES MESENTERICA . . . . .	46	48	18	7	10	3			2	40	1		1		1	1		2				25	21
PHTHISIS PULMONALIS . . . . .	126	130	1	1	2	1	1		1	7	1	7	31	30	26	11	11	2				64	62
OTHER CONSTITUTIONAL DISEASES . . . . .	9	12		1				1	1	3		1	2	1	1			1				6	3

of July, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for July, 1887.	Total Mortality for July, 1886.	AGE.																				SEX.		
			Under 3 mos.	3 mos. and under 5 mos.	5 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.		
III. LOCAL.																									
ATOPLEXY . . . . .	34	21											2	3	3	2	10	8	3	3			15	19	
BRIGHT'S DISEASE . . . . .	15	11											1		3	3	2	2	4				7		
BRONCHITIS . . . . .	23	18	4	4	2	6	1		2	19							1	2	1				9	14	
HEART DISEASE . . . . .	37	27									1	3	4	9	5	3	6	5	1				13	24	
MENINGITIS . . . . .	35	22	6	7	8	6	1	1	29	4	1		1										19	16	
NEPHRITIS . . . . .	9	13						1		1			2	1		4	1						1	8	
PLEURISY . . . . .		1																							
PNEUMONIA . . . . .	29	33	3	1	2	7	1	2	1	17		1	1	3	2	4		1					16	13	
OTHER LOCAL DISEASES . . . . .	197	130	10	12	25	11	1	3	2	64	7	6	28	27	18	14	15	14	3	1			109	88	
IV. DEVELOPMENTAL.																									
CYANOSIS . . . . .	2	2	1							1		1											2		
INANITION . . . . .	6	8	4		2					6													3		
OLD AGE . . . . .	26	22														1	2	8	11	3			8	17	
PREMATURE BIRTH . . . . .	10	19	15							15							1						9	7	
PURPL'D DISEASES (not including Puerpl' Fever)	3	2									1	1	1											3	
OTHER DEVELOPMENTAL DISEASES . . . . .	23	20	11	1	5	1				18			1		2	1			1				6	17	
V. VIOLENT.																									
ACCIDENTAL . . . . .	34	27	1			1	1		3	2	9	6	3	5	4	2							29	5	
HOMICIDAL . . . . .	2	1										1		1									2		
SUICIDAL . . . . .	5	1										2	2					1					4	1	
OTHER VIOLENT CAUSES . . . . .																									
UNKNOWN CAUSES . . . . .	3				1				1	2							1						1	2	
TOTAL FROM ALL CAUSES . . . . .	1119	880	129	118	170	192	17	16	15	567	30	38	98	90	72	57	70	58	22	8			552	547	
TOTAL FROM ZYMOTIC DISEASES . . . . .			394	270	55	81	107	62	10	6	4	325	14	6	12	12	3	5	8	8	1			202	102
" " CONSTITUTIONAL DISEASES . . . . .	227	235	19	12	18	9	2	2	5	67	2	9	38	34	30	17	21	7	1	1			117	110	
" " LOCAL do. . . . .	379	276	23	24	37	30	4	7	5	130	12	12	37	47	31	29	35	34	8	4			189	190	
" " DEVELOPMENTAL do. . . . .	75	73	31	1	7	1				40		2	2	1	2	2	3	8	12	3			28	47	
" " VIOLENT CAUSES . . . . .	41	29	1				1	1		3	2	9	9	5	6	4	2	1					35	8	

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of July, 1887, and for the corresponding month in 1886.

CASES REPORTED DURING JULY, 1887.			CASES REPORTED DURING JULY, 1886.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria . . . . .	53	....	Diphtheria . . . . .	75	....
Measles . . . . .	242	....	Measles . . . . .	74	....
Small Pox . . . . .	....	....	Small Pox . . . . .	....	....
Scarlatina . . . . .	29	....	Scarlatina . . . . .	85	....
Typhoid Fever . . . . .	54	1	Typhoid Fever . . . . .	52	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	...	....



# METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of July, 1887, as reported by OTTO B. COLE, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	30.04	82	68	W.	.00	Mean Barometer, 29.96.
2	30.00	83	63	W.	.00	Highest Barometer, 30.20, on the 5th.
3	30.07	76	76	S.	.00	Lowest Barometer, 29.54, on the 10th.
4	30.15	78	69	S.W.	.00	Monthly Range of Barometer, .66.
5	30.16	76	73	S.	.00	Mean Temperature, 73.
6	29.95	76	81	S.	T	Highest Temperature, 95, on the 2d.
7	29.83	79	63	S.W.	.00	Lowest Temperature, 61, on the 10th.
8	29.85	78	72	S.	.00	Monthly Range of Temperature, 34.
9	29.81	73	76	S.	.01	Greatest Daily Range of Temperature, 26.
10	29.59	67	88	S.	.77	Least Daily Range of Temperature, 6.
11	29.72	69	82	W.	.34	Mean Daily Range of Temperature, 15.
12	29.97	67	84	E.	.02	Mean Daily Dew-point, 65.
13	29.85	80	63	W.	.00	Mean Daily Relative Humidity, 77.
14	29.95	73	43	W.	.00	Prevailing Direction of Wind, S.
15	29.98	70	47	W.	.00	Total Movement of Wind, 7,051 Miles.
16	29.87	72	78	S.W.	.02	Highest Velocity of Wind and Direction, 29 Miles per hr., N., on 29th.
17	29.85	70	87	S.E.	.06	Number of Foggy Days, 0.
18	29.89	66	91	E.	.04	" Clear " 7.
19	30.11	67	85	E.	.00	" Fair " 14.
20	30.16	67	80	S.	.00	Number of Cloudy " 10.
21	30.08	66	82	S.	T	Total Number of Days on which Rain or Snow fell, 13.
22	29.92	69	92	S.	1.07	Depth of unmelted Snow on ground at end of month, 00 in.
23	30.00	75	91	S.W.	.85	Dates of Auroras, 0.
24	30.13	78	84	S.	.10	Dates of Solar Halos, 0.
25	30.10	79	75	S.W.	.00	Dates of Lunar Halos, 0.
26	30.00	72	86	S.E.	.00	Thunder storm, on 10th, 16th, 29th, and 31st.
27	29.99	68	91	E.	.00	Dates of Frosts, 0.
28	29.94	74	88	S.W.	.00	Mean Max. Temp., 82.
29	29.98	76	84	W.	.31	Mean Min. Temp., 67.
30	29.90	74	86	S.	.00	
31	29.87	78	73	S.W.	.00	
TOTALS .....	928.80	2275	2386		3.59	
MEANS .. ....	29.96	73	77	S.	.000	

## COMPARATIVE TEMPERATURE.

1871 . . . . .	71	1879 . . . . .	70
1872 . . . . .	75	1880 . . . . .	70
1873 . . . . .	73	1881 . . . . .	68
1874 . . . . .	73	1882 . . . . .	72
1875 . . . . .	71	1883 . . . . .	71
1876 . . . . .	74	1884 . . . . .	68
1877 . . . . .	70	1885 . . . . .	71
1878 . . . . .	73	1886 . . . . .	71
1887 . . . . .	73		

## COMPARATIVE PRECIPITATIONS.

	Inches.		Inches.
1871 . . . . .	3.24	1879 . . . . .	3.09
1872 . . . . .	4.00	1880 . . . . .	6.86
1873 . . . . .	3.84	1881 . . . . .	2.96
1874 . . . . .	3.47	1882 . . . . .	3.91
1875 . . . . .	3.93	1883 . . . . .	2.73
1876 . . . . .	5.86	1884 . . . . .	4.25
1877 . . . . .	2.27	1885 . . . . .	1.44
1878 . . . . .	4.58	1886 . . . . .	1.81
1887 . . . . .	3.59		

Average July temperature for 15 years, 71.

Average July precipitation for 16 years, 3.63 inches.

\*T indicates trace of rainfall.

# OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

## Statement of Mortality for the month of August, 1887.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,  
*Chairman.*

Deaths during the month of August, 1887, . . . . . 976  
Population estimated at 400,000. . . . . Rate per 1,000 inhabitants, 29.2

Total number . . . . .	976	NATIVITY.	
SEX.		United States . . . . .	688
Males . . . . .	699	Ireland . . . . .	170
Females . . . . .	477	England . . . . .	20
CONDITION.		Scotland . . . . .	8
Married . . . . .	214	Germany . . . . .	15
Single . . . . .	650	British America . . . . .	44
Widows . . . . .	79	Other Countries . . . . .	18
Widowers . . . . .	22	Unknown . . . . .	13
Unknown . . . . .	11	PARENTAGE.	
COLOR.		United States . . . . .	224
White . . . . .	949	Irish . . . . .	355
Colored . . . . .	27	English . . . . .	24
		Scotch . . . . .	8
		German . . . . .	33
		British American . . . . .	53
		Other Countries . . . . .	98
		Mixed . . . . .	113
		Unknown . . . . .	68
		Still-births during the month . . . . .	57
Total deaths of children	Under 1 year . . . . .	336	
	Under 2 years . . . . .	429	
	Under 5 years . . . . .	467	
Diarrhœal diseases	Under 1 year . . . . .	154	
	Under 2 years . . . . .	200	
	Under 5 years . . . . .	205	
	All ages . . . . .	239	

# Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for August, 1887.	Total Mortality for August, 1886.	AGE.																			SEX.		
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 6 yrs.	Total under 6 years.	6 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM . . . . .	5													4		1							4	1
CROUP . . . . .	3	5					1		1	2	1												2	1
CARBUNCLE . . . . .																								
CHOLERA MORBUS . . . . .	12	9			1	2				3	1		1	1	1	2		3					4	8
CHOLERA INFANTUM . . . . .	175	151	34	45	54	37	4	1		175													88	87
CEREBRO-SPINAL MENINGITIS . . . . .	1								1	1													1	
CONGESTIVE FEVER . . . . .																								
DIARRHŒA . . . . .	34	29	8	6	5	6				25					2	1	2	3	1				16	18
DYSENTERY . . . . .	18	13			1	1				2	2		1		2	4	5	1	1				7	11
DIPHTHERIA . . . . .	14	27	1		3	1	2		2	9	5												9	5
ERYSIPELAS . . . . .		1																						
INTERMITTENT FEVER . . . . .																								
INFLUENZA . . . . .																								
MEASLES . . . . .	4	4				1			1	2	2												2	2
PURPURA . . . . .																								
PURPERAL FEVER . . . . .	1												1											1
PYŒMIA . . . . .	4												1	2				1					2	2
REMITTENT FEVER . . . . .		1																						
RHEUMATISM . . . . .	1	2															1						1	
SCARLATINA . . . . .	7	3			1	1	1	2	2	7													5	2
SMALL POX . . . . .																								
SYPHILIS (CONGENITAL) . . . . .	3	1		2	1					3													1	2
SYPHILIS . . . . .	1															1								1
SEPTICŒMIA . . . . .	8	3													1			1	1				1	2
TONSILLITIS, . . . . .																								
TYPHOID FEVER . . . . .	23	18										1	2	10	5	2	2		1				11	12
TYPHUS FEVER . . . . .																								
WHOOPING COUGH . . . . .	19	3	6	2	4	5	2		1	19													8	11
YELLOW FEVER . . . . .																								
OTHER ZYMOTIC DISEASES . . . . .																								
II. CONSTITUTIONAL.																								
CANCER . . . . .	29	26														6	10	7	5	1			1	28
HYDROCEPHALUS AND TUBERC. MENINGITIS . .	18	10		1	3	4	2	3	2	15	2	1											10	8
MARASMUS, SCROFULA AND TABES MESENTERICA	56	51	24	12	12	4			1	53	1	1			1								28	28
PHTHISIS PULMONALIS . . . . .	118	134			2	1		1		4		7	39	27	17	13	8	3					64	64
OTHER CONSTITUTIONAL DISEASES . .	11	6				1				1		3		2	3	1	1						6	5

# of August, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for August, 1887.	Total Mortality for August, 1886.	AGE.																			SEX.	
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.
III. LOCAL.																							
Apoplexy . . . . .	26	24											2	2	3	3	4	9	2	1		16	10
Bright's Disease . . . . .	12	11													5		3	3	1			5	7
Bronchitis . . . . .	22	17	4	2	1	4	2			13				1		2	2	4				13	9
Heart Disease . . . . .	40	38			1					1	3	1	2	5	6	6	8	7	1			25	15
Meningitis . . . . .	26	17	4		7	11			1	23	2							1				15	11
Nephritis . . . . .	12	9											3	1	4		3	1				6	6
Pleurisy . . . . .		1																					
Pneumonia . . . . .	27	27	3	3	4	2	1	2		15	2	1	3	1	3		1	1				14	13
Other Local Diseases . . . . .	134	111	22	6	13	10	1	2		54		4	10	16	12	14	14	9	1			72	62
IV. DEVELOPMENTAL.																							
Cyanosis . . . . .	1	2	1							1												1	
Inanition . . . . .	8	6	5		2	1				8												3	5
Old Age . . . . .	28	22															2	13	9	3	1	9	19
Premature Birth . . . . .	16	10	16							16												7	9
Puer'l Diseases (not including Puerp'l Fever)	3	6											1	2									3
Other Developmental Diseases . .	19	25	11	1	1					13				1			1	2	2			9	10
V. VIOLENT.																							
Accidental . . . . .	33	37				1				1	9	2	8	2	6	2	2	1	1			28	5
Homicidal . . . . .	1	1													1							1	
Suicidal . . . . .	3	2											1	1			1					2	1
Other Violent Causes . . . . .	3		1							1		2										1	2
Unknown Causes . . . . .	2	3													1	1						1	1
TOTAL FROM ALL CAUSES . . . . .	976	866	140	80	116	93	14	12	12	407	31	22	85	81	68	65	66	67	19	4	1	499	477
TOTAL FROM ZYMOTIC DISEASES . . . . .	328	270	49	55	70	54	8	4	8	248	12	2	14	14	7	10	9	10	2			162	166
“ “ CONSTITUTIONAL DISEASES . . . .	232	227	24	13	17	10	2	4	3	73	3	12	39	29	27	24	16	8	1			109	123
“ “ LOCAL do. . . . .	299	255	33	11	26	27	4	4	1	106	7	6	20	31	28	28	35	33	4		1	166	133
“ “ DEVELOPMENTAL do. . . . .	75	71	33	1	3	1				38			1	3			3	15	11	4		29	46
“ “ VIOLENT CAUSES . . . . .	40	40	1			1				2	9	2	11	4	5	2	3	1	1			32	8

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of August, 1887, and for the corresponding month in 1886.

CASES REPORTED DURING AUGUST, 1887.			CASES REPORTED DURING AUGUST, 1886.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria . . . . .	41	....	Diphtheria . . . . .	78	....
Measles . . . . .	76	....	Measles . . . . .	38	....
Small Pox . . . . .	....	....	Small Pox . . . . .	....	....
Scarlatina . . . . .	51	....	Scarlatina . . . . .	52	....
Typhoid Fever . . . . .	169	....	Typhoid Fever . . . . .	136	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	...	....



# METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of August. 1887, as reported by J. W. SMITH, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	29.92	74	74	S.E.	.60	Mean Barometer, 29.97.
2	29.96	68	93	S.E.	.35	Highest Barometer, 30.33, on the 31st.
3	30.11	68	89	E.	.00	Lowest Barometer, 29.63, on the 18th.
4	30.18	68	86	S.E.	.00	Monthly Range of Barometer, .70.
5	30.02	72	81	S.	T	Mean Temperature, 67.1.
6	29.77	74	89	W.	.16	Highest Temperature, 86.3, on the 12th.
7	30.00	66	58	N.	.00	Lowest Temperature, 52.2, on the 31st.
8	30.24	67	54	N.	.00	Monthly Range of Temperature, 34.1.
9	30.19	67	65	N.W.	.00	Greatest Daily Range of Temperature, 22.4.
10	30.03	72	70	S.W.	.00	Least Daily Range of Temperature, 6.
11	29.90	73	87	S.W.	.22	Mean Daily Range of Temperature, 14.5.
12	29.82	73	64	W.	.02	Mean Daily Dew-point, 57.9.
13	30.06	64	50	N.E.	.00	Mean Daily Relative Humidity, 74.2.
14	30.01	66	52	N.	.00	Prevailing Direction of Wind, S.W.
15	29.87	71	66	W.	.00	Total Movement of Wind, 6,436 Miles.
16	29.76	71	73	W.	.00	Highest Velocity of Wind and Direction, 40 Miles per hr., S., on 18th.
17	29.94	66	75	E.	.00	Number of Foggy Days, 0.
18	29.74	70	90	S.	.24	" Clear " 13.
19	29.86	75	67	W.	.00	" Fair " 12.
20	29.92	65	75	S.	.40	Number of Cloudy " 6.
21	29.96	69	59	S.W.	.00	Total Number of Days on which Rain or Snow fell, 9.
22	29.82	69	93	S.W.	.66	Depth of unmelted Snow on ground at end of month, 00 in.
23	29.82	60	98	N.E.	.21	Dates of Auroras, 29th.
24	29.81	61	99	N.	.79	Dates of Solar Halos, 0.
25	29.81	64	71	N.	.00	Dates of Lunar Halos, 13.
26	29.86	63	61	N.W.	.00	Thunder storm, on 20th.
27	29.98	65	62	W.	T	Dates of Frosts, 0.
28	30.00	66	64	S.W.	.00	Mean Max. Temp., 75.
29	30.10	62	65	S.W.	T	Mean Min. Temp., 60.5.
30	30.22	60	85	S.E.	.00	
31	30.30	67	86	E.	.00	
TOTALS .....	928.98	2086	2300		3.05	
MEANS .....	29.97	67.1	74.2	S.W.	.098	

## COMPARATIVE TEMPERATURE.

1871 . . . . .	.72	1879 . . . . .	.68
1872 . . . . .	.72	1880 . . . . .	.69
1873 . . . . .	.69	1881 . . . . .	.70
1874 . . . . .	.68	1882 . . . . .	.70
1875 . . . . .	.71	1883 . . . . .	.68
1876 . . . . .	.70	1884 . . . . .	.68
1877 . . . . .	.71	1885 . . . . .	.67
1878 . . . . .	.68	1886 . . . . .	.68
1887 . . . . .	.67		

## COMPARATIVE PRECIPITATIONS.

	Inches.		Inches.
1871 . . . . .	3.06	1879 . . . . .	6.71
1872 . . . . .	3.70	1880 . . . . .	2.90
1873 . . . . .	6.21	1881 . . . . .	1.23
1874 . . . . .	6.67	1882 . . . . .	1.46
1875 . . . . .	3.50	1883 . . . . .	0.39
1876 . . . . .	1.23	1884 . . . . .	5.01
1877 . . . . .	4.49	1885 . . . . .	7.64
1878 . . . . .	7.66	1886 . . . . .	3.64
1887 . . . . .	3.05 inches.		

Average August temperature for 15 years, 69.

Average August precipitation for 16 years, 4.37 inches.

\*T indicates trace of rainfall.

# OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

## Statement of Mortality for the month of September, 1887.

With an enumeration of the more prominent causes ; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,  
*Chairman.*

Deaths during the month of September, 1887, . . . . . 817  
Population estimated at 400,000. . . . . Rate per 1,000 inhabitants, 24.5

Total number . . . . .	817	NATIVITY.	
SEX.		United States . . . . .	565
*Males . . . . .	425	Ireland . . . . .	142
Females . . . . .	392	England . . . . .	12
CONDITION.		Scotland . . . . .	2
Married . . . . .	194	Germany . . . . .	13
Single . . . . .	535	British America . . . . .	43
Widows . . . . .	64	Other Countries . . . . .	26
Widowers . . . . .	18	Unknown . . . . .	14
Unknown . . . . .	6	PARENTAGE.	
COLOR.		United States . . . . .	186
White . . . . .	788	Irish . . . . .	305
Colored . . . . .	29	English . . . . .	21
Total deaths of children {		Scotch . . . . .	5
		German . . . . .	21
		British American . . . . .	50
Under 1 year . . . . .		Other Countries . . . . .	76
Under 2 years . . . . .		Mixed . . . . .	83
Under 5 years . . . . .		Unknown . . . . .	70
Diarrhoeal diseases {		Still-births during the month . . . . .	
		37	
Under 1 year . . . . .			
Under 2 years . . . . .			
Under 5 years . . . . .			
All ages . . . . .			

\*The statement of mortality for August should read 499 males instead of 699.

# Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for September, 1887.	Total Mortality for September, 1886.	AGE.																		SEX.			
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM . . . . .	3	7												2	1							2	1	
CROUP . . . . .	3	6					1	1		2	1										1	2		
CARBUNCLE . . . . .																								
CHOLERA MORBUS . . . . .	5	7		1						1		1		1					1	1		2	3	
CHOLERA INFANTUM . . . . .	46	82	11	5	20	9		1		46											22	24		
CEREBRO-SPINAL MENINGITIS . . . . .	2			1	1					2													2	
CONGESTIVE FEVER . . . . .																								
DIARRHOEA . . . . .	22	22	6	5	6		1	1		19						1		2			10	12		
DYSENTERY . . . . .	9	13		1	1	2				4			1		2		2				6	3		
DIPHTHERIA . . . . .	25	24			2	3	4	1	5	15	8	2									13	12		
ERYSIPELAS . . . . .	1					1				1													1	
INTERMITTENT FEVER . . . . .																								
INFLUENZA . . . . .																								
MEASLES . . . . .	1					1				1											1			
PURPURA . . . . .	1	1											1										1	
PUERPERAL FEVER . . . . .		1																						
PYEMIA . . . . .	2	2									1			1							1			
REMITTENT FEVER . . . . .		2																						
RHEUMATISM . . . . .	5															4	1				2	3		
SCARLATINA . . . . .	20	5			1	1	3	7	2	14	3	2	1								10	10		
SMALL POX . . . . .																								
SYPHILIS (CONGENITAL) . . . . .	2	2	1	1						2											1	1		
SYPHILIS . . . . .	1														1								1	
SEPTICÆMIA . . . . .	1	1												1									1	
TONSILLITIS . . . . .		3																						
TYPHOID FEVER . . . . .	34	25									2	6	21	2	3						20	14		
TYPHUS FEVER . . . . .																								
WHOOPING COUGH . . . . .	19	4	3	2	5	8	1			19											8	11		
YELLOW FEVER . . . . .																								
OTHER ZYMOTIC DISEASES . . . . .																								
II. CONSTITUTIONAL.																								
CANCER . . . . .	25	23												2	6	9	3	3		2	3		22	
HYDROCEPHALUS AND TUBERC. MENINGITIS . .	19	17			2	6	2		1	11	2		3	1	2						10		9	
MARASMUS, SCROFULA AND TABES MESENTERICA	47	53	13	9	14	6	1			43		1			1		2				23		24	
PHTHISIS PULMONALIS . . . . .	123	134		3	2	3	2			10	2	12	34	32	19	5	5	2	2		62		61	
OTHER CONSTITUTIONAL DISEASES . .	5	9										1	1	2	1						3		2	

# of September, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for September, 1887.	Total Mortality for September, 1886.	AGE.																			SEX.	
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.
III. LOCAL.																							
Apoplexy . . . . .	19	19									1			2	4	5	3	4				8	11
Bright's Disease . . . . .	11	16						1		1		3	2	2		1	2					5	
Bronchitis . . . . .	30	19	8	1	2	5	1	2		19	1		2	1	1	4	1	1				16	14
Heart Disease . . . . .	49	40						1		1		2	4	9	8	7	10	5	3			29	20
Meningitis . . . . .	22	21	1	4	5	3		6	1	20	1		1									11	11
Nephritis . . . . .	7	10								1	1					2	2	2				4	3
Pleurisy . . . . .	3												1	1	1							2	1
Pneumonia . . . . .	39	31	3	4	3	3	2	2	2	19	1	2	3	6	3	1	2	2				23	16
Other Local Diseases . . . . .	118	115	10	7	12	12	1	1	1	44	3	8	10	13	5	8	14	12	1			67	51
IV. DEVELOPMENTAL.																							
Cyanosis . . . . .	2	4	2							2												2	
Inanition . . . . .	7	4	5	1	1					7												4	3
Old Age . . . . .	25	29													1	1	10	9	4			9	16
Premature Birth . . . . .	16	14	16							16												11	5
Puerp'l Diseases (not including Puerp'l Fever)	1	5										1											1
Other Developmental Diseases . .	16	24	13							13	1					1		1				8	8
V. VIOLENT.																							
Accidental . . . . .	28	19	2				1		1	4	4	1	3	7	4		2	1		2		23	5
Homicidal . . . . .	1	1												1								1	
Suicidal . . . . .	1	6											1									1	
Other Violent Causes . . . . .																							
Unknown Causes . . . . .	1	5															1					1	
TOTAL FROM ALL CAUSES . . . . .	517	825	94	45	77	63	20	24	14	337	30	39	88	85	63	43	55	47	22	8		425	392
TOTAL FROM ZYMOTIC DISEASES . . . . .	202	207	21	16	36	25	10	11	7	126	15	11	24	7	7	5	3	3	1			99	103
“ “ CONSTITUTIONAL DISEASES . . . . .	219	236	13	12	18	15	5		1	64	4	14	38	37	29	14	10	5	2	2		101	118
“ “ LOCAL do. . . . .	298	271	22	16	22	23	4	13	5	105	6	13	21	34	22	23	38	27	9			165	133
“ “ DEVELOPMENTAL do. . . . .	67	80	38	1	1					38	1		1			1	2	10	10	4		84	33
“ “ VIOLENT CAUSES . . . . .	30	26	2				1		1	4	4	1	4	7	5		2	1		2		25	5

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of September, 1887, and for the corresponding month in 1886.

CASES REPORTED DURING SEPTEMBER, 1887.			CASES REPORTED DURING SEPTEMBER, 1886.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria . . . . .	53	....	Diphtheria . . . . .	85	....
Measles . . . . .	3	....	Measles . . . . .	20	....
Small Pox . . . . .	....	....	Small Pox . . . . .	....	....
Scarlatina . . . . .	142	....	Scarlatina . . . . .	43	....
Typhoid Fever . . . . .	165	....	Typhoid Fever . . . . .	181	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....



# METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of September, 1887, as reported by J. W. SMITH, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	30.17	60.3	73.7	S.W.	.00	Mean Barometer, 30.079.
2	29.88	65.3	79.7	S.W.	*T	Highest Barometer, 30.46, on the 18th.
3	29.94	63.0	69.7	N.W.	*T	Lowest Barometer, 29.48, on the 7th.
4	30.21	63.0	65.7	E.	.00	Monthly Range of Barometer, .98.
5	30.17	68.0	72.0	W.	.00	Mean Temperature, 59.6.
6	29.91	68.3	71.3	S.W.	.00	Highest Temperature, 80.3, on the 7th.
7	29.57	72.3	83.7	S.W.	.49	Lowest Temperature, 40, on the 24th.
8	29.85	61.7	63.0	N.W.	.01	Monthly Range of Temperature, 40.
9	30.05	63.0	70.7	S.W.	.00	Greatest Daily Range of Temperature, 27.8, on the 21st.
10	30.11	64.0	74.3	N.W.	.17	Least Daily Range of Temperature, 5.8, on the 30th.
11	30.40	54.0	70.7	E.	.00	Mean Daily Range of Temperature, 15.7.
12	30.25	56.3	93.0	N.E.	.18	Mean Daily Dew-point, 50.5.
13	30.11	60.7	96.3	N.E.	.02	Mean Daily Relative Humidity, 73.4.
14	30.04	67.3	90.0	W.	*T	Prevailing Direction of Wind, W.
15	30.04	64.7	68.3	W.	.00	Total Movement of Wind, 7,319 Miles.
16	30.20	55.3	68.3	N.W.	.00	Highest Velocity of Wind and Direction, 30 Miles per hr., S.W., on 7th.
17	30.37	54.0	64.0	W.	.00	Number of Foggy Days, 1.
18	30.40	56.7	66.3	W.	.00	" Clear " 14.
19	30.19	65.0	70.7	W.	.00	" Fair " 11.
20	30.30	56.3	61.3	W.	.00	Number of Cloudy " 5.
21	30.04	63.7	68.0	S.W.	.00	Total Number of Days on which Rain or Snow fell, 7.
22	29.74	63.0	77.7	W.	.05	Depth of unmelted Snow on ground at end of month, 00 in.
23	29.87	51.7	61.7	N.	*T	Dates of Auroras, 0.
24	30.02	48.3	65.3	N.E.	.00	Dates of Solar Halos, 0.
25	29.98	49.7	63.7	W.	.00	Dates of Lunar Halos, 0.
26	30.01	49.7	61.7	W.	.00	Thunder storm, on 7th.
27	30.10	50.0	70.3	W.	.00	Dates of Frosts, 24th.
28	30.15	58.0	71.0	W.	.00	Mean Max. Temp., 67.7.
29	30.10	58.0	95.3	S.W.	.05	Mean Min. Temp., 51.9.
30	30.13	56.3	94.0	E.	*T	
TOTALS .....	902.30	1787.6	2201.4		.97	
MEANS .....	30.077	59.6	73.4	W.	.032	

COMPARATIVE TEMPERATURE.			
1871	.59	1879	.61
1872	.64	1880	.64
1873	.62	1881	.66
1874	.64	1882	.63
1875	.59	1883	.59
1876	.59	1884	.66
1877	.64	1885	.60
1878	.63	1886	.63
1887	.59		

COMPARATIVE PRECIPITATIONS.			
	Inches.		Inches.
1871	1.30	1879	1.84
1872	2.66	1880	2.36
1873	1.08	1881	2.50
1874	2.05	1882	10.93
1875	3.12	1883	1.50
1876	3.84	1884	0.31
1877	0.60	1885	1.70
1878	3.47	1886	2.73
1887	.97		

Average September temperature for 16 years, 62.2.

Average September precipitation for 16 years, 2.62 inches.

\*T indicates trace of rainfall.

# OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

## Statement of Mortality for the month of October, 1887.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,

*Chairman.*

Deaths during the month of October, 1887, . . . . . 838

Population estimated at 400,000.

Rate per 1,000 inhabitants, 25.1

Total number . . . . . 838

### SEX.

Males . . . . . 420

Females . . . . . 418

### CONDITION.

Married . . . . . 252

Single . . . . . 477

Widows . . . . . 71

Widowers . . . . . 26

Unknown . . . . . 12

### COLOR.

White . . . . . 816

Colored . . . . . 22

Total deaths of children	Under 1 year . . . . .	191
	Under 2 years . . . . .	233
	Under 5 years . . . . .	286

Diarrhœal diseases	Under 1 year . . . . .	30
	Under 2 years . . . . .	33
	Under 5 years . . . . .	34
	All ages . . . . .	37

### NATIVITY.

United States . . . . . 563

Ireland . . . . . 156

England . . . . . 12

Scotland . . . . . 5

Germany . . . . . 18

British America . . . . . 48

Other Countries . . . . . 22

Unknown . . . . . 14

### PARENTAGE.

United States . . . . . 229

Irish . . . . . 288

English . . . . . 17

Scotch . . . . . 15

German . . . . . 26

British American . . . . . 38

Other Countries . . . . . 82

Mixed . . . . . 61

Unknown . . . . . 82

Still-births during the month . . . . . 43

Total Deaths with Principal Causes for the month

[illegible]

# of October, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for October, 1887.	Total Mortality for October, 1886.	AGE.																			SEX.		
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
III. LOCAL.																								
APoplexy . . . . .	33	19										3	1	1	6	11	7	3	1			19	14	
BRIGHT'S DISEASE . . . . .	9	9				1				1	1	1		4	1		1					4		
BRONCHITIS . . . . .	49	31	17	5	3	8	1			34	1			1	2		6	3	2			20	29	
HEART DISEASE . . . . .	66	57									3	1	9	6	9	16	11	11				36	30	
MENINGITIS . . . . .	18	11		4	5	4	2			15	1	1		1								14	4	
NEPHRITIS . . . . .	12	7							1	1				1	4	3	2	1				7	5	
PLEURISY . . . . .	1	1												1								1		
PNEUMONIA . . . . .	47	54	3	1	3	3	2	2		14				10	5	7	8	1	1	1		23	24	
OTHER LOCAL DISEASES . . . . .	119	107	18	3	7	4	2			34		4	10	10	13	11	17	13	7			64	55	
IV. DEVELOPMENTAL.																								
CYANOSIS . . . . .	1	4	1							1													1	
INANITION . . . . .	10	5	8	1	1					10												4		
OLD AGE . . . . .	28	20															2	9	13	4		10	18	
PREMATURE BIRTH . . . . .	17	15	17							17												9	8	
PUERP'L DISEASES (not including Puerp'l Fever)	1	2												1									1	
OTHER DEVELOPMENTAL DISEASES . . . . .	25	14	15	1			1	1		18				1		1	3		2			13	12	
V. VIOLENT.																								
ACCIDENTAL . . . . .	31	31	1			1		1		3	1	2	7	7	3		5	2	1			24	7	
HOMICIDAL . . . . .		1																						
SUICIDAL . . . . .	6	3											2	1	2		1					3	3	
OTHER VIOLENT CAUSES . . . . .	1										1											1		
UNKNOWN CAUSES . . . . .	5	5		2						2			1				1	1				3	2	
TOTAL FROM ALL CAUSES . . . . .	838	762	117	33	41	42	28	17	8	286	31	30	89	80	81	61	78	59	37	6		420	418	
TOTAL FROM ZYMOTIC DISEASES . . . . .	150	126	20	4	14	13	15	12	8	86	20	4	13	8	8	4	2	3	2			72	78	
“ “ CONSTITUTIONAL DISEASES . . . . .	209	240	17	12	8	8	5			50	4	17	43	31	30	12	9	7	6			93	116	
“ “ LOCAL do. . . . .	354	296	38	13	18	20	7	3		99	6	6	23	31	38	44	55	37	13	2		188	166	
“ “ DEVELOPMENTAL do. . . . .	82	60	41	2	1		1	1		46				2		1	5	9	15	4		36	46	
“ “ VIOLENT CAUSES . . . . .	38	35	1			1		1		3	1	3	9	8	5		6	2	1			28	10	

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of October, 1887, and for the corresponding month in 1886.

CASES REPORTED DURING OCTOBER, 1887.			CASES REPORTED DURING OCTOBER, 1886.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria . . . . .	112	....	Diphtheria . . . . .	130	....
Measles . . . . .	23	....	Measles . . . . .	38	....
Small Pox . . . . .	....	....	Small Pox . . . . .	....	....
Scarlatina . . . . .	211	....	Scarlatina . . . . .	58	....
Typhoid Fever . . . . .	122	....	Typhoid Fever . . . . .	148	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....



# METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of October, 1887, as reported by J. W. SMITH, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	29.98	57.0	100.0	E.	.65	Mean Barometer, 30.002.
2	29.82	61.6	87.0	W.	.65	Highest Barometer, 30.53, on the 26th.
3	29.70	58.0	95.0	S.W.	.08	Lowest Barometer, 29.40, on the 21st.
4	29.55	59.0	78.3	S.	.02	Monthly Range of Barometer, 1.13.
5	29.69	54.3	83.3	S.W.	.00	Mean Temperature, 51.0.
6	29.92	56.7	70.7	N.W.	.00	Highest Temperature, 73.1, on the 7th.
7	30.04	64.0	74.3	W.	.00	Lowest Temperature, 27.2, on the 31st.
8	30.04	60.7	66.3	W.	.00	Monthly Range of Temperature, 45.9.
9	29.94	57.7	82.3	S. E.	*T	Greatest Daily Range of Temperature, 29.4, on the 16th.
10	29.81	61.7	91.0	S.	.00	Least Daily Range of Temperature, 4.3, on the 21st.
11	29.71	50.0	82.0	N.W.	.76	Mean Daily Range of Temperature, 14.7.
12	29.97	45.3	68.7	W.	.00	Mean Daily Dew-point, 43.4.
13	29.95	52.3	65.7	S.W.	.00	Mean Daily Relative Humidity, 76.9.
14	29.99	47.3	69.3	W.	.00	Prevailing Direction of Wind, W.
15	30.35	43.0	62.0	W.	.00	Total Movement of Wind, 7,474 Miles.
16	30.33	49.7	54.7	S.W.	.00	Highest Velocity of Wind and Direction, 40 Miles per hr., S.W., on 24th.
17	30.17	58.0	78.3	S.W.	.00	Number of Foggy Days, 0.
18	29.96	60.7	79.7	W.	.01	" Clear " 4.
19	30.00	48.0	83.7	N.	.00	" Fair " 17.
20	30.06	47.3	81.0	E.	.00	Number of Cloudy " 10.
21	29.52	47.7	88.3	W.	.96	Total Number of Days on which Rain or Snow fell, 7.
22	29.90	42.3	70.7	W.	.00	Depth of unmelted Snow on ground at end of month, 00 in.
23	30.20	44.3	63.7	W.	.00	Dates of Auroras, 0.
24	29.95	56.3	01.3	W.	*T	Dates of Solar Halos, 0.
25	30.33	43.3	68.7	W.	.00	Dates of Lunar Halos, 29th.
26	30.51	38.7	77.3	N.E.	.00	Thunder storm, 0.
27	30.46	43.7	75.3	S.E.	.00	Dates of Frosts, 13th, 15th, 16th, 26th, 31st.
28	30.26	47.3	81.0	S.E.	.00	Mean Max. Temp., 58.9.
29	29.97	47.3	89.7	S.E.	.00	Mean Min. Temp., 44.2.
30	30.02	38.7	86.3	N.W.	.00	
31	29.95	38.3	68.7	N.	.00	
TOTALS .....	93.004	1579.6	2384.3		2.53	
MEANS .....	30.001	51.0	76.9	W.	.082	

Mean Barometer, 30.002.  
Highest Barometer, 30.53, on the 26th.  
Lowest Barometer, 29.40, on the 21st.  
Monthly Range of Barometer, 1.13.  
Mean Temperature, 51.0.  
Highest Temperature, 73.1, on the 7th.  
Lowest Temperature, 27.2, on the 31st.  
Monthly Range of Temperature, 45.9.  
Greatest Daily Range of Temperature, 29.4, on the 16th.  
Least Daily Range of Temperature, 4.3, on the 21st.  
Mean Daily Range of Temperature, 14.7.  
Mean Daily Dew-point, 43.4.  
Mean Daily Relative Humidity, 76.9.  
Prevailing Direction of Wind, W.  
Total Movement of Wind, 7,474 Miles.  
Highest Velocity of Wind and Direction, 40 Miles per hr., S.W., on 24th.  
Number of Foggy Days, 0.  
" Clear " 4.  
" Fair " 17.  
Number of Cloudy " 10.  
Total Number of Days on which Rain or Snow fell, 7.  
Depth of unmelted Snow on ground at end of month, 00 in.  
Dates of Auroras, 0.  
Dates of Solar Halos, 0.  
Dates of Lunar Halos, 29th.  
Thunder storm, 0.  
Dates of Frosts, 13th, 15th, 16th, 26th, 31st.  
Mean Max. Temp., 58.9.  
Mean Min. Temp., 44.2.

## COMPARATIVE TEMPERATURE.

1871 . . . . .	54.0	1879 . . . . .	56.0
1872 . . . . .	51.7	1880 . . . . .	50.9
1873 . . . . .	52.8	1881 . . . . .	53.3
1874 . . . . .	53.1	1882 . . . . .	54.6
1875 . . . . .	49.2	1883 . . . . .	47.4
1876 . . . . .	47.8	1884 . . . . .	52.3
1877 . . . . .	50.8	1885 . . . . .	51.1
1878 . . . . .	54.9	1886 . . . . .	51.5
1887 . . . . .	51.0		

## COMPARATIVE PRECIPITATIONS.

	Inches.		Inches.
1871 . . . . .	5.88	1879 . . . . .	0.98
1872 . . . . .	4.85	1880 . . . . .	3.15
1873 . . . . .	5.33	1881 . . . . .	2.85
1874 . . . . .	1.39	1882 . . . . .	2.29
1875 . . . . .	4.99	1883 . . . . .	6.40
1876 . . . . .	1.66	1884 . . . . .	3.17
1877 . . . . .	8.84	1885 . . . . .	5.71
1878 . . . . .	6.76	1886 . . . . .	3.27
1887 . . . . .	76.9		

Average October temperature for 16 years, 51.9.

Average October precipitation for 16 years, 4.22 inches.

\*T indicates trace of rainfall.

# OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

## Statement of Mortality for the month of November, 1887.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,  
*Chairman.*

Deaths during the month of November, 1887, . . . . . 808  
Population estimated at 400,000. . . . . Rate per 1,000 inhabitants, 24.2

Total number . . . . . 808

### SEX.

Males . . . . . 404

Females . . . . . 404

### CONDITION.

Married . . . . . 237

Single . . . . . 467

Widows . . . . . 73

Widowers . . . . . 19

Unknown . . . . . 12

### COLOR.

White . . . . . 794

Colored . . . . . 14

Total deaths of children { Under 1 year . . . . . 129  
Under 2 years . . . . . 175  
Under 5 years . . . . . 253

Diarrhœal diseases { Under 1 year . . . . . 10  
Under 2 years . . . . . 13  
Under 5 years . . . . . 14  
All ages . . . . . 16

### NATIVITY.

United States . . . . . 514

Ireland . . . . . 192

England . . . . . 17

Scotland . . . . . 2

Germany . . . . . 6

British America . . . . . 37

Other Countries . . . . . 16

Unknown . . . . . 24

### PARENTAGE.

United States . . . . . 189

Irish . . . . . 328

English . . . . . 25

Scotch . . . . . 5

German . . . . . 15

British American . . . . . 42

Other Countries . . . . . 72

Mixed . . . . . 57

Unknown . . . . . 75

Still-births during the month . . . . . 48

# Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for November, 1887.	Total Mortality for November, 1886.	AGE.																			SEX.		
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM . . . . .	5	2												2	1	1		1				4	1	
CROUP . . . . .	10	14	1		2	2	2	2	1	10												7	3	
CARRUNCLE . . . . .																								
CHOLERA MORBUS . . . . .		1																						
CHOLERA INFANTUM . . . . .	6	7		1	2	2			1	6												4	2	
CEREBRO-SPINAL MENINGITIS . . . . .																								
CONGESTIVE FEVER . . . . .																								
DIARRHŒA . . . . .	9	12	5	1	1	1				8							1					5	4	
DYSENTERY . . . . .	1	1																1				1		
DIPHTHERIA . . . . .	36	25			1	8	6	3	4	22	10	1	2		1							16	20	
ERYSIPELAS . . . . .		1																						
INTERMITTENT FEVER . . . . .																								
INFLUENZA . . . . .																								
MEASLES . . . . .	1	4									1											1		
PURPURA . . . . .																								
PURPERAL FEVER . . . . .	1													1									1	
PYŒMIA . . . . .	1	3			1					1													1	
REMITTENT FEVER . . . . .		1																						
RHEUMATISM . . . . .	2	3									1				1							1	1	
SCARLATINA . . . . .	49	4	1	2	2		10	9	10	34	11	3	1									25	24	
SMALL POX . . . . .																								
SYPHILIS (CONGENITAL) . . . . .	2	1	1	1						2												2		
SYPHILIS . . . . .	2	3												1		1						1	1	
SEPTICŒMIA . . . . .	2	3	1							1				1								1	1	
TONSILLITIS . . . . .		1																						
TYPHOID FEVER . . . . .	17	16										2	10	3	1			1				14	3	
TYPHUS FEVER . . . . .																								
WHOOPING COUGH . . . . .	1	1			1					1												1		
YELLOW FEVER . . . . .																								
OTHER ZYMOTIC DISEASES . . . . .	1						1			1													1	
II. CONSTITUTIONAL.																								
CANCER . . . . .	32	15												2	5	13	7	3	2			7	25	
HYDROCEPHALUS AND TUBERC. MENINGITIS . . . . .	9	8	2		1	2	2	1		8	1											5	4	
MARASMUS, SCROFULA AND TABES MESENTERICA . . . . .	21	23	6	5	1	1				13		2		2		2		1	1			11	10	
PHTHISIS PULMONALIS . . . . .	126	117	1							1	1	11	43	37	16	9	5	1	2			68	58	
OTHER CONSTITUTIONAL DISEASES . . . . .	8	4							1	1				2	2	1	1		1			3	5	

# of November, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for November, 1887.	Total Mortality for November, 1886.	AGE.																			SEX.		
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
III. LOCAL.																								
Apoplexy . . . . .	18	25											1	1		6	8	2				14	4	
Bright's Disease . . . . .	8	15									1		1		4	2						4		
Bronchitis . . . . .	56	40	13	7	11	6	2	1		40	1		1	1	1	3	2	5	2			28	28	
Heart Disease . . . . .	60	55							1	1		2	8	7	8	12	11	8	3			25	35	
Meningitis . . . . .	24	7	1	1	3	9	3		1	18	1			1		4						9	15	
Nephritis . . . . .	16	10				1				1	1	2		2	2	3	1	4				8	8	
Pleurisy . . . . .	2	2				1				1							1					2		
Pneumonia . . . . .	105	76	3	2	3	8	8	2	4	30	5	4	10	13	9	10	9	6	6	3		50	55	
Other Local Diseases . . . . .	88	109	10	7	2	3		1	2	25	1	6	11	6	8	11	7	10	3			40	43	
IV. DEVELOPMENTAL.																								
Cyanosis . . . . .	3	5	3							3												1	2	
Inanition . . . . .	2	4	1		1					2												2		
Old Age . . . . .	20	21															3	9	5	2	1	8	12	
Premature Birth . . . . .	12	13	12							12												4	8	
Puer'l Diseases (not including Puer'l Fever)	2	2											1	1									2	
Other Developmental Diseases . . . . .	13	15	6		1	1				8				1			1	1	2			7	6	
V. VIOLENT.																								
Accidental . . . . .	32	24	1		1					2	1	2	6	6	5	5	2	2	1			23	9	
Homicidal . . . . .		2																						
Suicidal . . . . .	3												2			1						2	1	
Other Violent Causes . . . . .																								
Unknown Causes . . . . .	2	3	1							1			1										2	
TOTAL FROM ALL CAUSES . . . . .	808	703	69	27	33	46	34	19	25	253	36	35	97	90	65	78	57	60	31	5	1	404	404	
TOTAL FROM ZYMOTIC DISEASES . . . . .	146	103	9	5	9	14	19	14	16	86	23	6	13	8	4	2	1	2	1			83	63	
“ “ Constitutional Diseases . . . . .	196	172	9	5	2	3	2	1	1	23	2	13	43	43	23	25	13	5	6			94	102	
“ “ LOCAL do. . . . .	377	339	27	17	19	28	13	4	8	116	10	14	31	31	33	45	37	41	16	3		180	197	
“ “ DEVELOPMENTAL do. . . . .	52	60	22		2	1				25			1	2			4	10	7	2	1	22	30	
“ “ VIOLENT CAUSES . . . . .	35	26	1		1					2	1	2	8	6	5	6	2	2	1			25	10	

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of November, 1887, and for the corresponding month in 1886.

CASES REPORTED DURING NOVEMBER, 1887.			CASES REPORTED DURING NOVEMBER, 1886.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria . . . . .	101	....	Diphtheria . . . . .	111	....
Measles . . . . .	30	....	Measles . . . . .	119	....
Small Pox . . . . .	....	....	Small Pox . . . . .	....	....
Scarlatina . . . . .	322	....	Scarlatina . . . . .	82	....
Typhoid Fever . . . . .	74	....	Typhoid Fever . . . . .	101	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	...	....



# METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of November, 1887, as reported by J. W. SMITH, Sergeant Signal Corps.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	30.09	38	65	N.	.00	Mean Barometer, 30.003.
2	29.96	44	46	W.	.00	Highest Barometer, 30.85, on the 30th.
3	30.01	45	70	E.	.00	Lowest Barometer, 29.25, on the 12th.
4	29.71	53	74	S.W.	*T	Monthly Range of Barometer, 1.60.
5	30.08	33	55	N.W.	.00	Mean Temperature, 41.6.
6	30.15	42	65	S.W.	.00	Highest Temperature, 69.4, on the 7th.
7	29.94	55	61	S.W.	.00	Lowest Temperature, 12.0, on the 30th.
8	29.99	49	54	N.	.00	Monthly Range of Temperature, 57.4.
9	30.28	36	56	W.	.00	Greatest Daily Range of Temperature, 29.2, on the 28th.
10	29.80	43	72	S.	.78	Least Daily Range of Temperature, 5.0, on the 25th.
11	29.28	37	85	W.	.04	Mean Daily Range of Temperature, 17.1.
12	29.58	38	76	N.W.	*T	Mean Daily Dew-point, 33.5.
13	29.96	40	72	N.W.	.00	Mean Daily Relative Humidity, 75.2.
14	30.05	42	72	S.	.00	Prevailing Direction of Wind, W.
15	29.41	47	93	W.	.97	Total Movement of Wind, 8,492 Miles.
16	29.52	40	84	N.W.	.03	Highest Velocity of Wind and Direction, 42 Miles per hr., N.&N.W., on 16th.
17	29.70	45	68	W.	.00	Number of Foggy Days, 0.
18	30.05	41	54	S.W.	.00	" Clear " 11.
19	29.69	45	92	S.	.14	" Fair " 11.
20	29.55	42	87	S.W.	*T	Number of Cloudy " 8.
21	29.92	32	84	W.	.00	Total Number of Days on which Rain or Snow fell, 8.
22	30.25	38	79	W.	.00	Depth of unmelted Snow on ground at end of month, 00 in.
23	30.23	45	74	S.W.	.01	Dates of Auroras, 0.
24	30.42	40	88	N.E.	.00	Dates of Solar Halos, 0.
25	30.36	38	97	N.W.	.15	Dates of Lunar Halos, 0.
26	30.32	47	92	S.W.	.00	Thunder storm, 0.
27	30.28	55	90	S.W.	.00	Dates of Frosts, 5th, 9th, 29th, 30th.
28	30.21	50	94	N.W.	.19	Mean Max. Temp., 50.8.
29	30.57	29	75	N.	.00	Mean Min. Temp., 33.8.
30	30.72	20	77	N.	.00	
TOTALS .....	900.09	1248	2255		2.22	
MEANS ..	300.03	41.6	75.2		.074	

COMPARATIVE TEMPERATURE.			
1871 . . . . .	37	1879 . . . . .	39
1872 . . . . .	40	1880 . . . . .	37
1873 . . . . .	33	1881 . . . . .	42
1874 . . . . .	41	1882 . . . . .	40
1875 . . . . .	34	1883 . . . . .	42
1876 . . . . .	40	1884 . . . . .	58
1877 . . . . .	43	1885 . . . . .	33
1878 . . . . .	40	1886 . . . . .	43
1887 . . . . .	42		

COMPARATIVE PRECIPITATIONS.			
Inches.		Inches.	
1871 . . . . .	6.42	1879 . . . . .	2.97
1872 . . . . .	3.66	1880 . . . . .	2.30
1873 . . . . .	8.34	1881 . . . . .	3.73
1874 . . . . .	2.85	1882 . . . . .	1.20
1875 . . . . .	5.47	1883 . . . . .	2.08
1876 . . . . .	11.03	1884 . . . . .	4.46
1877 . . . . .	9.62	1885 . . . . .	5.78
1878 . . . . .	8.94	1886 . . . . .	3.59
1887 . . . . .	2.22		

Average October temperature for 16 years, 40.2.

Average October precipitation for 16 years, 4.88 inches.

\*T indicates trace of rainfall.

# OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

## Statement of Mortality for the month of December, 1887.

With an enumeration of the more prominent causes ; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,  
*Chairman.*

Deaths during the month of December, 1887, . . . . . 872

Population estimated at 400,000. . . . . Rate per 1,000 inhabitants, 25.6

Total number . . . . . 872

### SEX.

Males . . . . . 436

Females . . . . . 436

### CONDITION.

Married . . . . . 258

Single . . . . . 479

Widows . . . . . 91

Widowers . . . . . 29

Unknown . . . . . 15

### COLOR.

White . . . . . 852

Colored . . . . . 20

Total deaths of children { Under 1 year . . . . . 141  
Under 2 years . . . . . 188  
Under 5 years . . . . . 273

Diarrhœal diseases { Under 1 year . . . . . 6  
Under 2 years . . . . . 6  
Under 5 years . . . . . 6  
All ages . . . . . 11

### NATIVITY.

United States . . . . . 576

Ireland . . . . . 174

England . . . . . 20

Scotland . . . . . 15

Germany . . . . . 15

British America . . . . . 45

Other Countries . . . . . 17

Unknown . . . . . 10

### PARENTAGE.

United States . . . . . 248

Irish . . . . . 308

English . . . . . 15

Scotch . . . . . 21

German . . . . . 24

British American . . . . . 51

Other Countries . . . . . 73

Mixed . . . . . 53

Unknown . . . . . 79

Still-births during the month . . . . . 48

# Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for December, 1887.	Total Mortality for December, 1888.	AGE.																	SEX.				
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM . . . . .	9	6										3	3	2			1						5	4
CROUP . . . . .	12	15		1	1	2	2	2	2	10	2											6	6	
CARBUNCLE . . . . .																								
CHOLERA MORBUS . . . . .																								
CHOLERA INFANTUM . . . . .	3	1		1	2					3												1	2	
CEREBRO-SPINAL MENINGITIS . . . . .		1																						
CONGESTIVE FEVER . . . . .																								
DIARRHŒA . . . . .	5	9	1		1					2		1				2						3	2	
DYSENTERY . . . . .	3	5			1					1							1	1				2	1	
DIPHTHERIA . . . . .	45	39			1	7	9	6	8	31	10	2	1	1								24	21	
ERYSIPELAS . . . . .	7	1	2				1			3			1		1	2						2	5	
INTERMITTENT FEVER . . . . .																								
INFLUENZA . . . . .																								
MEASLES . . . . .	1	17			1					1													1	
PURPURA . . . . .																								
PURPERAL FEVER. . . . .	4	4											2	2									4	
PYÆMIA . . . . .	1	2										1											1	
REMITTENT FEVER . . . . .																								
RHEUMATISM . . . . .	4	3									1				1		1	1				3	1	
SCARLATINA . . . . .	43	2		1	2	9	11	3	5	31	6	4	1	1								21	22	
SMALL POX . . . . .																								
SYPHILIS (CONGENITAL) . . . . .	1	1	1							1												1		
SYPHILIS . . . . .	1	1													1								1	
SEPTICÆMIA . . . . .	1												1										1	
TONSILLITIS, . . . . .	2				1			1		2												1	1	
TYPHOID FEVER. . . . .	9	15								1	1		4	2	1	1						6	3	
TYPHUS FEVER . . . . .																								
WHOOPING COUGH . . . . .	7	6	1	1	2	2		1		7												3	4	
YELLOW FEVER . . . . .																								
OTHER ZYMOTIC DISEASES . . . . .																								
II. CONSTITUTIONAL.																								
CANCER . . . . .	25	25												3	7	3	7	4	1			14	11	
HYDROCEPHALUS AND TUBERC. MENINGITIS . .	11	13		1	2	4	1			8	1	1			1							9	2	
MARASMUS, SCROFULA AND TABES MESENTERICA	18	28	8	4	1	3	1			17	1											7	11	
PHTHRIS PULMONALIS . . . . .	123	149			1					1	2		6	37	30	23	13	9	3			63	60	
OTHER CONSTITUTIONAL DISEASES . . . . .	10	14				2				2		1	3	1		2	1					3	7	

of December, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	AGE.																	SEX.					
	Total Mortality for December, 1887.	Total Mortality for December, 1886.																Males.	Females.				
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.			70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.
III. LOCAL.																							
Apoplexy . . . . .	36	16												1	4	6	9	12	4			17	10
Bright's Disease . . . . .	21	19							1	1		4	3	2	4	1	4		2			11	10
Bronchitis . . . . .	53	76	9	9	8	6	4	2		38				3	1	4	4	3				24	29
Heart Disease . . . . .	60	67									7	9	7	7	7	15	2	6				27	33
Meningitis . . . . .	23	17	2	4	4	4	1	3	1	10	2			2								9	14
Nephritis . . . . .	19	7				1	2			3	3	3		2	2	3	1	2				8	11
Pleurisy . . . . .	3	2											1	1		1						1	2
Pneumonia . . . . .	89	120	2	5	7	3	1		3	21	6	4	4	13	7	14	7	7	6			49	40
OTHER LOCAL DISEASES . . . . .	131	107	7	5	6	3	2	2	6	31	4	8	12	12	15	19	13	12	5			68	63
IV. DEVELOPMENTAL.																							
Cyanosis . . . . .	3	3	3							3												2	1
Inanition . . . . .	4	6	3		1					4												4	
Old Age . . . . .	23	26													1		1	7	13	1		6	17
Premature Birth . . . . .	14	14	13	1						14												8	6
Puerp'l Diseases (not including Puerp'l Fever)	3	2										1	1		1								3
OTHER DEVELOPMENTAL DISEASES . . . . .	17	19	13							13							2	2				9	8
V. VIOLENT.																							
Accidental . . . . .	18	29			1	1	1	1		4	1	3	3	3	2		1		1			12	6
Homicidal . . . . .	2												2									1	1
Suicidal . . . . .	7	4										1	3	1	1	1						5	2
OTHER VIOLENT CAUSES . . . . .	1																1					1	
UNKNOWN CAUSES . . . . .		5																					
TOTAL FROM ALL CAUSES . . . . .	872	896	65	33	43	47	36	21	28	273	37	47	85	93	81	78	80	56	38	1		456	436
TOTAL FROM ZYMOTIC DISEASES . . . . .																							
“ “ CONSTITUTIONAL DISEASES . . . . .	158	128	5	4	12	20	23	13	16	93	19	8	12	10	5	4	5	2				78	80
“ “ LOCAL do. . . . .	187	229	8	5	4	9	2		1	29	2	8	40	34	31	18	17	7	1			96	91
“ “ DEVELOPMENTAL do. . . . .	435	431	20	23	25	17	10	7	11	113	15	26	29	43	40	55	53	38	23			214	221
“ “ VIOLENT CAUSES . . . . .	64	70	32	1	1					34		1	1		2		3	9	13	1		29	35
“ “ . . . . .	28	33			1	1	1	1		4	1	4	6	6	3	1	2		1			19	9

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of December, 1887, and for the corresponding month in 1886.

CASES REPORTED DURING DECEMBER, 1887.					CASES REPORTED DURING DECEMBER, 1886.				
		City.	Quarantine.					City.	Quarantine.
Diphtheria . . . . .	130	....	....			Diphtheria . . . . .	141	....	....
Measles . . . . .	41	....	....			Measles . . . . .	132	....	....
Small Pox . . . . .	1	....	....			Small Pox . . . . .	....	....	....
Scarlatina . . . . .	269	....	....			Scarlatina . . . . .	68	....	....
Typhoid Fever . . . . .	38	....	....			Typhoid Fever . . . . .	35	....	....
Typhus Fever . . . . .	....	....	....			Typhus Fever . . . . .	....	....	....
Yellow Fever . . . . .	....	....	....			Yellow Fever . . . . .	....	....	....



# METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of December, 1887, as reported by J. W. SMITH, Sergeant Signal Corps.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	30.93	16	79	N	.00	Mean Barometer, 30.06.
2	30.70	26	87	N.W.	.00	Highest Barometer, 30.96, on the 1st.
3	30.44	41	91	N.	.02	Lowest Barometer, 29.02, on the 18th.
4	30.39	40	88	S.E.	.00	Monthly Range of Barometer, 1.94.
5	30.05	42	87	W.	.07	Mean Temperature, 32.1.
6	30.19	37	68	W.	.00	Highest Temperature, 59.1, on the 11th.
7	30.14	36	77	S.E.	.00	Lowest Temperature, 4.9, on the 31st.
8	30.25	40	78	N.	.00	Monthly Range of Temperature, 54.2.
9	30.53	34	76	E.	.00	Greatest Daily Range of Temperature, 33.2, on the 28th.
10	30.32	42	90	S.E.	*T	Least Daily Range of Temperature, 4.1, on the 25th.
11	29.90	56	98	S.	.42	Mean Daily Range of Temperature, 13.6.
12	29.81	46	80	W.	.12	Mean Daily Dew-point, 25.7.
13	30.17	37	68	W.	.00	Mean Daily Relative Humidity, 73.6.
14	30.27	37	76	S.E.	.00	Prevailing Direction of Wind, W.
15	29.85	39	97	N.	.53	Total Movement of Wind, 8,313 Miles.
16	29.64	34	66	N.W.	.04	Highest Velocity of Wind and Direction, 56 Miles per hr., N.E., on 18th.
17	29.64	35	50	N.W.	.00	Number of Foggy Days, 0.
18	29.15	33	97	W.	.31	"    Clear    "    7.
19	29.78	34	72	N.W.	.00	"    Fair    "    15.
20	30.05	39	66	W.	.00	Number of Cloudy " 9.
21	29.77	35	92	W.	.17	Total Number of Days on which Rain or Snow fell, 11.
22	29.76	27	71	W.	*T	Depth of unmelted Snow on ground at end of month, 00 in.
23	29.94	21	64	N.W.	.00	Dates of Auroras, 0.
24	29.89	25	77	N	.00	Dates of Solar Halos, 0.
25	29.87	27	89	N.	*T	Dates of Lunar Halos, 0.
26	30.02	22	91	N.	.25	Thunder storm, 0.
27	30.18	20	83	N.W.	.26	Dates of Frosts, 0
28	29.71	33	88	S.E.	.58	Mean Max. Temp, 39.2.
29	29.77	17	62	W.	.00	Mean Min. Temp., 25.6.
30	30.21	11	61	N.W.	.00	
31	30.47	14	66	W.	.00	
TOTALS.....	931.79	994.8	2435.3		2.71	
MEANS .....	30.06	32.1	75.6	W.	.087	

COMPARATIVE TEMPERATURE.			
1871 . . . . .	23	1879 . . . . .	32
1872 . . . . .	24	1880 . . . . .	26
1873 . . . . .	31	1881 . . . . .	38
1874 . . . . .	31	1882 . . . . .	30
1875 . . . . .	29	1883 . . . . .	29
1876 . . . . .	22	1884 . . . . .	33
1877 . . . . .	35	1885 . . . . .	33
1878 . . . . .	30	1886 . . . . .	29
1887 . . . . . 32			

COMPARATIVE PRECIPITATIONS.			
Inches.		Inches.	
1871 . . . . .	3.38	1879 . . . . .	5.36
1872 . . . . .	2.95	1880 . . . . .	3.42
1873 . . . . .	5.64	1881 . . . . .	3.82
1874 . . . . .	2.14	1882 . . . . .	2.65
1875 . . . . .	0.75	1883 . . . . .	3.71
1876 . . . . .	3.71	1884 . . . . .	4.46
1877 . . . . .	1.32	1885 . . . . .	2.09
1878 . . . . .	6.76	1886 . . . . .	3.66
1887 . . . . . 2.71			

Average December temperature for 16 years, 30.0.

Average December precipitation for 17 years, 3.56 inches.

\*T indicates trace of precipitation, } Rainfall.  
Snowfall.

# SUMMARY OF DEATHS IN BOSTON.

With Principal Causes, for the year 1887. Compared with those of 1886.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,  
*Chairman.*

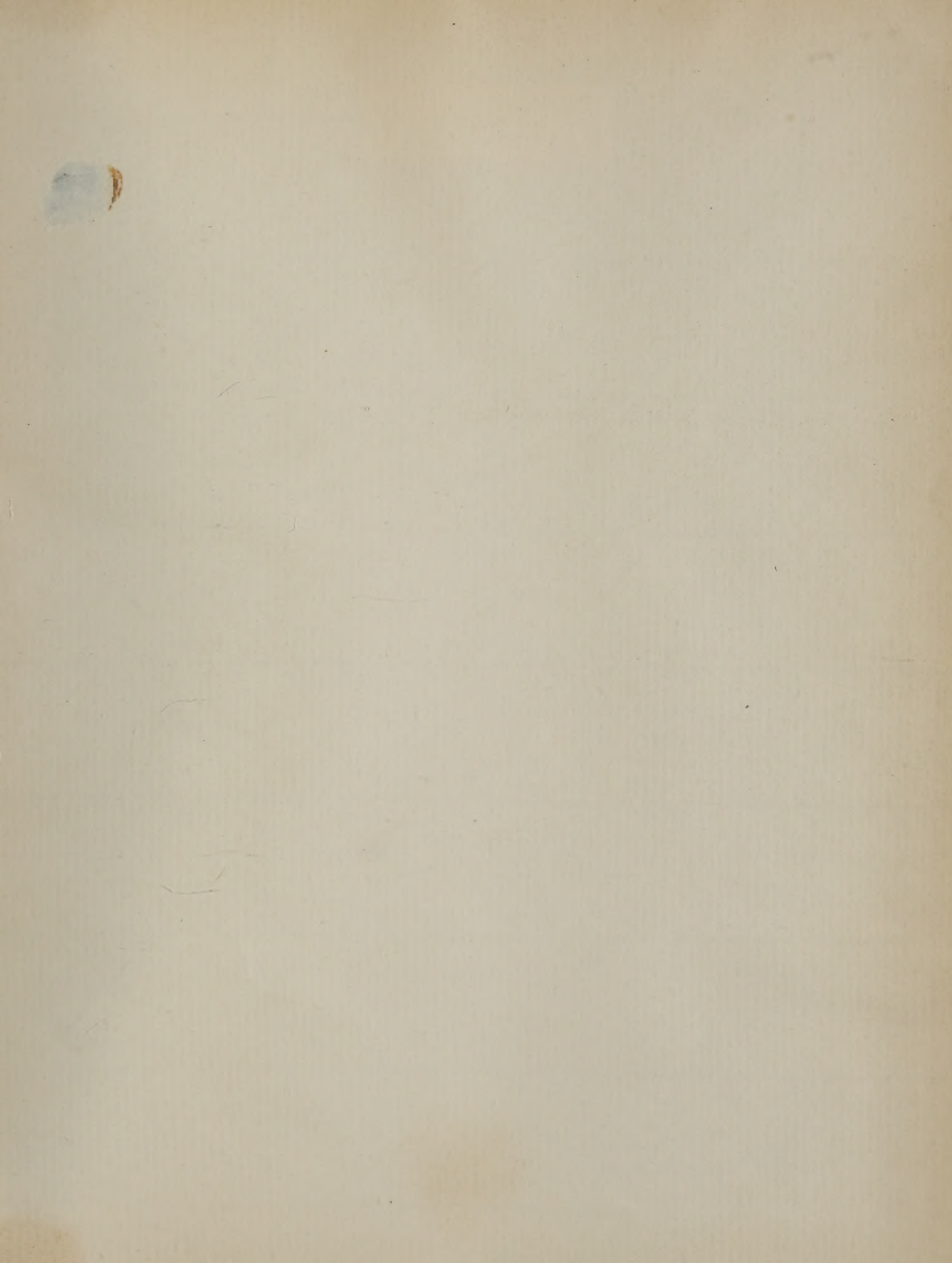
	1887.	1886.		1887.	1886.
Total No. of deaths from all causes . .	10,073	9,268	Erysipelas . . . . .	34	39
Population . . . . .	400,000	400,000	Intermittent Fever . . . . .	—	—
Annual death rate per 1000 inhabitants	25.18	23.17	Measles . . . . .	119	36
Total No. from Zymotic diseases . .	1,993	1,644	Purpura . . . . .	4	7
Percentage of deaths from Zymotic diseases to total mortality . . . .	19.7	17.73	Puerperal Fever . . . . .	23	17
Total No. of Still-births . . . . .	534	543	Pyæmia . . . . .	14	17
Total deaths of children under 1 year .	2,312	2,110	Remittent Fever . . . . .	—	5
“ “ “ “ 2 years .	2,993	2,640	Rheumatism . . . . .	44	28
“ “ “ “ 5 years .	3,662	3,186	Scarlatina . . . . .	195	81
Percentage of deaths under 5 years to total mortality . . . . .	36.3	34.37	Small Pox . . . . .	—	—
Total No. of deaths from diarrhœal diseases, under 5 years . . . . .	646	605	Syphilis (congenital) . . . . .	27	20
Total No. of deaths from diarrhœal diseases, all ages . . . . .	734	705	Syphilis . . . . .	8	7
Percentage of deaths from diarrhœal diseases to total mortality . . . .	7.2	7.60	Septicæmia . . . . .	23	26
Alcoholism . . . . .	59	39	Tonsillitis . . . . .	5	4
Croup . . . . .	94	94	Typhoid Fever . . . . .	183	135
Carbuncle . . . . .	—	3	Typhus Fever . . . . .	—	—
Cholera Morbus . . . . .	26	28	Whooping Cough . . . . .	82	37
Cholera Infantum . . . . .	492	444	Yellow Fever . . . . .	—	—
Cerebro Spinal Meningitis . . . . .	16	14	Other Zymotic Diseases . . . . .	11	1
Diarrhœa . . . . .	159	172	Cancer . . . . .	324	299
Dysentery . . . . .	59	61	Phthisis Pulmonalis . . . . .	1,526	1,607
Diphtheria . . . . .	316	329	Bright's Disease . . . . .	149	172
			Bronchitis . . . . .	483	420
			Heart Disease . . . . .	619	581
			Pneumonia . . . . .	795	778
			Old age . . . . .	316	268
			Violent Deaths . . . . .	412	361











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